

SEQUENCE LISTING

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<120> METHODS AND MATERIALS RELATING TO NOVEL SECRETED ADIPONECTIN-LIKE
POLYPEPTIDES AND POLYNUCLEOTIDES

<130> HYS-46

<140> Not Yet Assigned

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<150> US 09/488,725

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<150> US 60/306,971

<151> 2001-07-21

<160> 404

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Pro Val Asn Gly Thr Tyr Val Phe Ile Phe His Met Leu Lys Leu Ala			
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Leu His Arg Gly Ala Ile Tyr Gly Ser Ser Trp Lys Tyr Ser Thr Phe			
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Asn Lys Gln Gly Glu Glu Gln Pro Trp Glu Ala Asp Tyr Ala Arg Lys
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Pro Asn Leu Pro Lys Arg Trp Asp Met Leu Thr Glu Pro Asp Gly Gln
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Glu Lys Lys Gln Glu Ser Phe Lys Ser Trp Glu Ala Ser Gly Lys His
85 90 95

Gln Glu Val Ser Lys Pro Ala Val Ser Leu Glu Gln Arg Lys Gln Asp
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Ile Ser Lys Ser Lys Pro Ser Pro Ser Gln Trp Lys Gln Asp Thr Pro
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Gln Thr Pro Lys Ser Trp Thr Pro Ser Met Gln Ser Glu Gln Asn Thr
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1005450001

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1000549-120301

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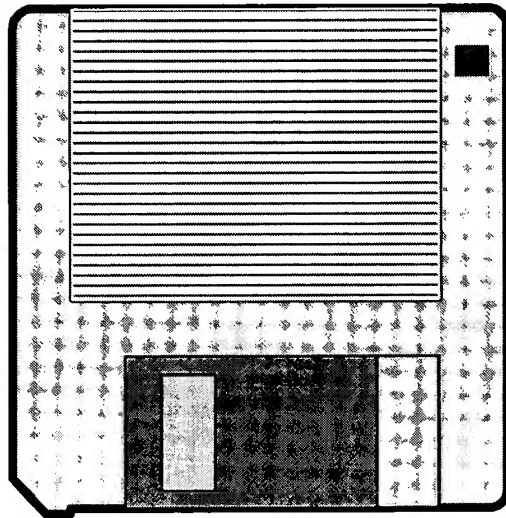
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PAPERS

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Ile Trp Leu Arg
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<213> Homo sapiens

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<210> 21

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<212> PRT

<213> Homo sapiens

<400> 21

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<210> 22

<211> 20

<212> PRT

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<212> PRT

<213> Homo sapiens

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Arg Ile Ser Ala Ile Thr Thr Val Ser Val Ala Trp Lys Val Leu Ser
 35 40 45

Gly Lys Ile Gly Glu Gly Ala Glu Gly Asn Cys Lys Cys Val Ile Ser
 50 55 60

Glu Gly Ala Trp Ala Val Cys Pro Thr Gln Pro Cys Gly Lys Ala Lys
 65 70 75 80

Pro Asp Lys His Leu Lys Asp Leu Leu Ser Lys Leu Leu Asn Ser Gly
 85 90 95

Tyr Phe Glu Ser Ile Pro Val Pro Lys Asn Ala Lys Glu Lys Glu Val
 100 105 110

Pro Leu Glu Glu Glu Met Leu Ile Gln Ser Glu Lys Lys Thr Gln Leu
 115 120 125

Ser Lys Thr Glu Ser Val Lys Glu Ser Glu Ser Leu Met Glu Phe Ala
 130 135 140

Gln Pro Glu Ile Gln Pro Gln Glu Phe Leu Asn Arg Arg Tyr Met Thr

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FOE02T-6645000T

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Asp Tyr Ala Arg Lys Pro Asn Leu Pro Lys Arg Trp Asp Met Leu Thr						
	180			185		190
Glu Pro Asp Gly Gln Glu Lys Lys Gln Glu Ser Phe Lys Ser Trp Glu						
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Ala Ser Gly Lys His Gln Glu Val Ser Lys Pro Ala Val Ser Leu Glu						
	210			215		220
Gln Arg Lys Gln Asp Thr Ser Lys Leu Arg Ser Thr Leu Pro Glu Glu						
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Gln Lys Lys Gln Glu Ile Ser Lys Ser Lys Pro Ser Pro Ser Gln Trp						
				245		250
Lys Gln Asp Thr Pro Lys Ser Lys Ala Gly Tyr Val Gln Glu Glu His						
	260			265		270
Lys Lys Gln Glu Thr Pro Lys Leu Trp Pro Val Gln Leu Gln Lys Glu						
	275			280		285
Gln Asp Pro Lys Lys Gln Thr Pro Lys Ser Trp Thr Pro Ser Met Gln						
	290			295		300
Ser Glu Gln Asn Thr Thr Lys Ser Trp Thr Thr Pro Met Cys Glu Glu						
	305			310		315
Gln Asp Ser Lys Gln Pro Glu Thr Pro Lys Ser Trp Glu Asn Asn Val						
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Glu Ser Gln Lys His Ser Leu Thr Ser Gln Ser Gln Ile Ser Pro Lys						
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Ser Trp Gly Val Ala Thr Ala Ser Leu Ile Pro Asn Asp Gln Leu Leu						
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Pro Arg Lys Leu Asn Thr Glu Pro Lys Asp Val Pro Ile Ala Cys Ala						
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Ser Ala Gly Phe Leu Pro Leu Gln Pro Pro Phe Arg Arg Ile His Val
385 390 395 400

Leu Arg Lys Glu Lys Leu Gln Asp Leu Met Thr Gln Ile Gln Gly Thr
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Cys Asn Phe Met Gln Glu Ser Val Leu Asp Phe Asp Lys Pro Ser Ser
420 425 430

Ala Ile Pro Thr Ser Gln Pro Pro Ser Ala Thr Pro Gly Pro Arg Arg
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His Leu Lys Glu Gln Asn Leu Ser Val Lys Val Ile Phe Phe Gln Gly
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Ala Val Thr Val Phe Asn Val Asn Ala Pro Leu Pro Pro Arg Lys Glu
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Gln Glu Ile Lys Glu Ser Pro Tyr Ser Pro Gly Tyr Asn Gln Ser Phe
485 490 495

Thr Thr Ala Ser Thr Gln Thr Pro Pro Gln Cys Gln Leu Pro Ser Ile
500 505 510

His Val Glu Gln Thr Val His Ser Gln Glu Thr Ala Asn Tyr His Pro
515 520 525

Asp Gly Thr Ile Gln Val Ser Asn Gly Ser Leu Ala Phe Tyr Pro Ala
530 535 540

Gln Thr Asn Val Phe Pro Arg Pro Thr Gln Pro Phe Val Asn Ser Arg
545 550 555 560

Gly Ser Val Arg Gly Cys Thr Arg Gly Gly Arg Leu Ile Thr Asn Ser
565 570 575

Tyr Arg Ser Pro Gly Gly Tyr Lys Gly Phe Asp Thr Tyr Arg Gly Leu
580 585 590

Pro Ser Ile Ser Asn Gly Asn Tyr Ser Gln Leu Gln Phe Gln Ala Arg
595 600 605

Glu Tyr Ser Gly Ala Pro Tyr Ser Gln Arg Asp Asn Phe Gln Gln Cys
610 615 620

Tyr Lys Arg Gly Gly Thr Ser Gly Gly Pro Arg Ala Asn Ser Arg Ala
625 630 635 640

Gly Trp Ser Asp Ser Ser Gln Val Ser Ser Pro Glu Arg Asp Asn Glu
645 650 655

Thr Phe Asn Ser Gly Asp Ser Gly Gln Gly Asp Ser Arg Ser Met Thr
660 665 670

Pro Val Asp Val Pro Val Thr Asn Pro Ala Ala Thr Ile Leu Pro Val
675 680 685

His Val Tyr Pro Leu Pro Gln Gln Met Arg Val Ala Phe Ser Ala Ala
690 695 700

Arg Thr Ser Asn Leu Ala Pro Gly Thr Leu Asp Gln Pro Ile Val Phe
705 710 715 720

Asp Leu Leu Leu Asn Asn Leu Gly Glu Thr Phe Asp Leu Gln Leu Gly
725 730 735

Arg Phe Asn Cys Pro Val Asn Gly Thr Tyr Val Phe Ile Phe His Met
740 745 750

Leu Lys Leu Ala Val Asn Val Pro Leu Tyr Val Asn Leu Met Lys Asn
755 760 765

Glu Glu Val Leu Val Ser Ala Tyr Ala Asn Asp Gly Ala Pro Asp His
770 775 780

Glu Thr Ala Ser Asn His Ala Ile Leu Gln Leu Phe Gln Gly Asp Gln
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Ile Trp Leu Arg Leu His Arg Gly Ala Ile Tyr Gly Ser Ser Trp
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<211> 185

<212> PRT

<213> Homo sapiens

<400> 24

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Pro Ser Gly His Gly Glu Pro Cys Arg His Arg Pro Pro Pro Phe Pro
35 40 45

Gln Pro Pro Ala Gly Thr Gln Lys Pro Leu Leu Gln Gly Pro Gly Gly
50 55 60

Gly Pro Ala Glu Asn Ala Pro Thr Ala Ala Leu Gly Ser Pro Ala Pro
65 70 75 80

Pro Arg Gly Cys Gln Ala Ala Pro Pro Pro Arg Ser Gly Ala Gly Arg
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Pro Asp Leu Pro Thr Leu Ala Gly Pro Arg Pro Ala Pro Ala Pro Pro
100 105 110

Pro Ser Ala Ala Pro Pro Pro Pro Pro Ser Gly Ala Pro Ser Arg Pro
115 120 125

Ala Ala Gly Arg Gln Arg Leu Ser Gly Val Ser Ser Gly Pro Ser Leu
130 135 140

Gly Trp Trp Val Gly Arg Gly Arg Gly Leu Pro Ala Phe Ala Gln Ile
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Ala Gly His Gln Val Gly Pro Arg Arg Arg Arg Thr Pro Ala Gly Arg
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Lys Pro Arg Ser Pro Ala Gly Pro Arg
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<210> 25

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"664500T"

<211> 475

<212> DNA

<213> Homo sapiens

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caggaagcc tgggtgccctt ggtcctcaag gccagcctgg ccttccagga ccccaggcc	180
ctccaggacc tccaggaccc ccagctgtga tgccccctac accaccacc caggagagt	240
atctgcaaaa tatggggctg ggaattgatg gcgtgaaacc ccccatgcc tacggggcta	300
agaaaggcaa gaatggaggg ccagcctatg agatgcctgc atttaccgcc gagctaaccg	360
cacctttccc accggtgggg gcccagtg agtttaaaa actgctgtat aacggcagac	420
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<211> 3443

<212> DNA

<213> Homo sapiens

<400> 26

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gcagagcagc atctgctgaa gagacagaaa ccagccccag aggtgtcaca ggaaggcacc	180
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<211> 2487

<212> DNA

<213> Homo sapiens

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gcagagcagc atctgctgaa gagacagaaa ccagccccag aggtgtcaca ggaaggcacc 180

agcaaggaca ttggtctttg atttgattca gcagtcctgt caagtataaa tgtg atg 237
Met
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gct gtg ctg cct ggc cct ctg cag ctg ctg gga gtg ctg ctt acc att 285
Ala Val Leu Pro Gly Pro Leu Gln Leu Leu Gly Val Leu Leu Thr Ile
5 10 15

tcc ctg agt tcc atc agg ctc att cag gct ggt gcc tac tat ggg atc 333
Ser Leu Ser Ser Ile Arg Leu Ile Gln Ala Gly Ala Tyr Tyr Gly Ile
20 25 30

aag ccg ctg cca cct caa att cct cct cag atg cca cca caa att cca 381
Lys Pro Leu Pro Pro Gln Ile Pro Pro Gln Met Pro Pro Gln Ile Pro
35 40 45

caa tac cag ccc ctg ggt cag caa gta cct cac atg cct ttg gcc aaa 429
Gln Tyr Gln Pro Leu Gly Gln Gln Val Pro His Met Pro Leu Ala Lys
50 55 60 65

gat ggc ctc gcc atg ggc aag gag atg ccc cac ttg cag tat ggc aaa 477
Asp Gly Leu Ala Met Gly Lys Glu Met Pro His Leu Gln Tyr Gly Lys
70 75 80

gag tat cca cac cta ccc caa tat atg aag gaa att caa ccg gcg cca 525
Glu Tyr Pro His Leu Pro Gln Tyr Met Lys Glu Ile Gln Pro Ala Pro
85 90 95

aga atg ggc aag gaa gcc gtt ccc aag aaa ggc aaa gaa ata cca tta 573
Arg Met Gly Lys Glu Ala Val Pro Lys Lys Gly Lys Glu Ile Pro Leu
100 105 110

gcc agt tta cga ggg gaa caa ggt ccc cgt gga gag cct ggc cca aga 621
Ala Ser Leu Arg Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro Arg
115 120 125

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atg cct gga atg cca ggg aag cca gga gcc atg ggc atg cct ggg gca Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala 165 170 175	765
aaa gga gaa att gga cag aaa ggg gaa att ggg cct atg ggg atc cca Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro Met Gly Ile Pro 180 185 190	813
gga cca caa gga cct cca ggg cct cat gga ctt cct ggc att ggg aag Gly Pro Gln Gly Pro Pro Gly Pro His Gly Leu Pro Gly Ile Gly Lys 195 200 205	861
cca ggt ggg cca ggg tta cca ggg caa cca gga cca aag ggt gat cga Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg 210 215 220 225	909
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Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly Ile	
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Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe	
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565 570 575	
cca cca ccc cag gga gag tat ctg cca gat atg ggg ctg gga att gat	2013
Pro Pro Pro Gln Gly Glu Tyr Leu Pro Asp Met Gly Leu Gly Ile Asp	

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580	585	590	
ggc gtg aaa ccc ccc cat	gcc tac ggg gct aag aaa	ggc aag aat gga	2061
Gly Val Lys Pro Pro His	Ala Tyr Gly Ala Lys Lys	Gly Lys Asn Gly	
595	600	605	
ggg cca gcc tat gag atg cct	gca ttt acc gcc gag cta acc	gca cct	2109
Gly Pro Ala Tyr Glu Met	Pro Ala Phe Thr Ala Glu Leu Thr	Ala Pro	
610	615	620 625	
ttc cca ccg gtg ggg gcc cca	gtg aag ttt aac aaa ctg ctg	tat aac	2157
Phe Pro Pro Val Gly Ala	Pro Val Lys Phe Asn Lys	Leu Leu Tyr Asn	
630	635	640	
ggc aga cag aac tac aac ccg	cag aca ggc atc ttc acc	tgt gag gtc	2205
Gly Arg Gln Asn Tyr Asn	Pro Gln Thr Gly Ile Phe Thr	Cys Glu Val	
645	650	655	
cct ggt gtc tac tac ttt gca	tac cac gtt cac tgc aag ggg	ggc aac	2253
Pro Gly Val Tyr Tyr Phe	Ala Tyr His Val His Cys	Lys Gly Gly Asn	
660	665	670	
gtg tgg gtt gct cta ttc aag	aac aac gag ccc gtg atg	tac acg tac	2301
Val Trp Val Ala Leu Phe	Lys Asn Asn Glu Pro Val	Met Tyr Thr Tyr	
675	680	685	
gac gag tac aaa aag ggc ttc	ctg gac cag gca tct ggg	agt gca gtg	2349
Asp Glu Tyr Lys Lys Gly	Phe Leu Asp Gln Ala Ser	Gly Ser Ala Val	
690	695	700 705	
ctg ctg ctc agg ccc gga gac	cgg gtg ttc ctc cag atg	ccc tca gaa	2397
Leu Leu Leu Arg Pro Gly	Asp Arg Val Phe Leu Gln	Met Pro Ser Glu	
710	715	720	
cag gct gca gga ctg tat gcc	ggg cag tat gtc cac tcc	tcc ttt tca	2445
Gln Ala Ala Gly Leu Tyr	Ala Gly Gln Tyr Val His	Ser Ser Phe Ser	
725	730	735	
gga tat tta ttg tat ccc atg	taa aaacaaaaaa aaaaaaaa		2487
Gly Tyr Leu Leu Tyr Pro	Met		
740			

<210> 28

<211> 744

<212> PRT

<213> Homo sapiens

<400> 28

Met	Ala	Val	Leu	Pro	Gly	Pro	Leu	Gln	Leu	Leu	Gly	Val	Leu	Leu	Thr
1				5				10					15		

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Ile	Ser	Leu	Ser	Ser	Ile	Arg	Leu	Ile	Gln	Ala	Gly	Ala	Tyr	Tyr	Gly	20	25	30	
Ile	Lys	Pro	Leu	Pro	Pro	Gln	Ile	Pro	Pro	Gln	Met	Pro	Pro	Gln	Ile	35	40	45	
Pro	Gln	Tyr	Gln	Pro	Leu	Gly	Gln	Gln	Val	Pro	His	Met	Pro	Leu	Ala	50	55	60	
Lys	Asp	Gly	Leu	Ala	Met	Gly	Lys	Glu	Met	Pro	His	Leu	Gln	Tyr	Gly	65	70	75	80
Lys	Glu	Tyr	Pro	His	Leu	Pro	Gln	Tyr	Met	Lys	Glu	Ile	Gln	Pro	Ala	85	90	95	
Pro	Arg	Met	Gly	Lys	Glu	Ala	Val	Pro	Lys	Lys	Gly	Lys	Glu	Ile	Pro	100	105	110	
Leu	Ala	Ser	Leu	Arg	Gly	Glu	Gln	Gly	Pro	Arg	Gly	Glu	Pro	Gly	Pro	115	120	125	
Arg	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Leu	Pro	Gly	His	Gly	Ile	Pro	Gly	130	135	140	
Ile	Lys	Gly	Lys	Pro	Gly	Pro	Gln	Gly	Tyr	Pro	Gly	Val	Gly	Lys	Pro	145	150	155	160
Gly	Met	Pro	Gly	Met	Pro	Gly	Lys	Pro	Gly	Ala	Met	Gly	Met	Pro	Gly	165	170	175	
Ala	Lys	Gly	Glu	Ile	Gly	Gln	Lys	Gly	Glu	Ile	Gly	Pro	Met	Gly	Ile	180	185	190	
Pro	Gly	Pro	Gln	Gly	Pro	Pro	Gly	Pro	His	Gly	Leu	Pro	Gly	Ile	Gly	195	200	205	
Lys	Pro	Gly	Gly	Pro	Gly	Leu	Pro	Gly	Gln	Pro	Gly	Pro	Lys	Gly	Asp	210	215	220	
Arg	Gly	Pro	Lys	Gly	Leu	Pro	Gly	Pro	Gln	Gly	Leu	Arg	Gly	Pro	Lys	225	230	235	240

Gly Asp Lys Gly Phe Gly Met Pro Gly Ala Pro Gly Val Lys Gly Pro
245 250 255

Pro Gly Met His Gly Pro Pro Gly Pro Val Gly Leu Pro Gly Val Gly
260 265 270

Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys
275 280 285

Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro
290 295 300

Gly Val Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Lys Pro Gly Gln
305 310 315 320

Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln
325 330 335

Gly Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys
340 345 350

Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly Met Gly Gly Val Pro
355 360 365

Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly
370 375 380

Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro
385 390 395 400

Met Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly
405 410 415

Gly Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly
420 425 430

Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro
435 440 445

Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His
450 455 460

Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu Gly
465 470 475 480

Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro
485 490 495

Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro
500 505 510

Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly
515 520 525

Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro
530 535 540

Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly
545 550 555 560

Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro
565 570 575

Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro Asp Met Gly Leu Gly Ile
580 585 590

Asp Gly Val Lys Pro Pro His Ala Tyr Gly Ala Lys Lys Gly Lys Asn
595 600 605

Gly Gly Pro Ala Tyr Glu Met Pro Ala Phe Thr Ala Glu Leu Thr Ala
610 615 620

Pro Phe Pro Pro Val Gly Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr
625 630 635 640

Asn Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly Ile Phe Thr Cys Glu
645 650 655

Val Pro Gly Val Tyr Tyr Phe Ala Tyr His Val His Cys Lys Gly Gly
660 665 670

Asn Val Trp Val Ala Leu Phe Lys Asn Asn Glu Pro Val Met Tyr Thr
675 680 685

Tyr Asp Glu Tyr Lys Lys Gly Phe Leu Asp Gln Ala Ser Gly Ser Ala

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FOE02T 6545000T

690

695

700

Val Leu Leu Leu Arg Pro Gly Asp Arg Val Phe Leu Gln Met Pro Ser
705 710 715 720

Glu Gln Ala Ala Gly Leu Tyr Ala Gly Gln Tyr Val His Ser Ser Phe
725 730 735

Ser Gly Tyr Leu Leu Tyr Pro Met
740

<210> 29

<211> 2235

<212> DNA

<213> Homo sapiens

<400> 29

atggctgtgc tgcctggccc tctgcagctg ctgggagtgc tgcttaccat ttccctgagt 60
tccatcaggc tcattcaggc tgggtgcctac tatgggatca agccgctgcc acctcaaatt 120
cctcctcaga tgccaccaca aattccacaa taccagcccc tgggtcagca agtacctcac 180
atgccttttg ccaaagatgg cctcgccatg ggcaaggaga tgccccactt gcagtatggc 240
aaagagtatc cacacctacc ccaatatatg aaggaaattc aaccggcgcc aagaatgggc 300
aaggaagccg ttccaagaa aggcaaagaa ataccattag ccagtttacg aggggaacaa 360
ggtccccgtg gagagcctgg cccaagagga ccacctgggc cccctggttt accaggtcat 420
gggatacctg gaattaaagg aaaaccaggg ccacagggat atccaggagt tggaaagcca 480
ggtatgcctg gaatgccagg gaagccagga gccatgggca tgcttggggc aaaaggagaa 540
attggacaga aaggggaaat tgggcctatg gggatcccag gaccacaagg acctccaggg 600
cctcatggac ttcttggcat tgggaagcca ggtgggcccag gggtaccagg gcaaccagga 660
ccaaaggggtg atcgaggacc caaaggacta ccaggacctc aaggccttcg gggtcctaaa 720
ggagacaagg gcttcgggat gccagggtgc ccagggtgtaa aggggcctcc agggatgcac 780
ggccctcccc gccctgttgg actgccagga gtgggcaaac caggagtgcac aggcctccct 840
gggccccagg gccccctggg aaagccaggg gctccaggag aacctgggcc acaaggccct 900
attggggtac cgggggttca aggacctcct gggatacccg gaattggaaa gccaggccag 960

gatgggatcc caggccagcc aggatttcca ggtggcaaag gggagcaagg actgccaggg 1020
ctaccaggac ccccaggcct tccagggatt gggaaaccag gcttcccagg acccaaaggt 1080
gaccggggca tgggaggtgt tcctggggct cttggaccaa gaggggagaa aggaccaata 1140
ggtgccccag gaataggggg tcctccagga gagccaggcc tgcctggaat cccaggtcct 1200
atgggccctc caggtgctat tggttttcct ggacccaaag gagaaggtgg gattgtaggg 1260
ccacaggggc caccagggtcc caagggtgag ccagggttc aaggcttccc aggaaagcca 1320
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aagggggaac atgggcaaaa aggtgtacca ggactccctg gtgttccagg gcttctcgga 1440
cctaaggag aaccaggaat cccaggggat cagggtttac agggccccc aggtatccca 1500
gggattgggg gccctagtgg cccatttga ccacctggga ttccaggccc caaaggggag 1560
cctggcctcc cagggccccc tgggttcct ggtatagga aaccggagt ggcaggactt 1620
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tacggggcta agaaaggcaa gaatggaggg ccagcctatg agatgcctgc atttaccgcc 1860
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aacggcagac agaactacaa cccgcagaca ggcatcttca cctgtgaggt cctgggtgtc 1980
tactactttg cataccacgt tcaactgcaag gggggcaacg tgtgggttg tctattcaag 2040
aacaacgagc ccgtgatgta cacgtacgac gagtacaaaa agggcttcct ggaccaggca 2100
tctgggagtg cagtgtgtgt gctcaggccc ggagaccggg tgttctcca gatgccctca 2160
gaacaggctg caggactgta tgccgggcag tatgtccact cctccttttc aggatattta 2220
ttgtatccca tgtaa 2235

<210> 30

<211> 27

<212> PRT

<213> Homo sapiens

<400> 30

Met Ala Val Leu Pro Gly Pro Leu Gln Leu Leu Gly Val Leu Leu Thr
1 5 10 15

Ile Ser Leu Ser Ser Ile Arg Leu Ile Gln Ala
20 25

<210> 31

<211> 717

<212> PRT

<213> Homo sapiens

<400> 31

Gly Ala Tyr Tyr Gly Ile Lys Pro Leu Pro Pro Gln Ile Pro Pro Gln
1 5 10 15

Met Pro Pro Gln Ile Pro Gln Tyr Gln Pro Leu Gly Gln Gln Val Pro
20 25 30

His Met Pro Leu Ala Lys Asp Gly Leu Ala Met Gly Lys Glu Met Pro
35 40 45

His Leu Gln Tyr Gly Lys Glu Tyr Pro His Leu Pro Gln Tyr Met Lys
50 55 60

Glu Ile Gln Pro Ala Pro Arg Met Gly Lys Glu Ala Val Pro Lys Lys
65 70 75 80

Gly Lys Glu Ile Pro Leu Ala Ser Leu Arg Gly Glu Gln Gly Pro Arg
85 90 95

Gly Glu Pro Gly Pro Arg Gly Pro Pro Gly Pro Pro Gly Leu Pro Gly
100 105 110

His Gly Ile Pro Gly Ile Lys Gly Lys Pro Gly Pro Gln Gly Tyr Pro
115 120 125

Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala
130 135 140

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Met Gly Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile
145 150 155 160

Gly Pro Met Gly Ile Pro Gly Pro Gln Gly Pro Pro Gly Pro His Gly
165 170 175

Leu Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro
180 185 190

Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln Gly
195 200 205

Leu Arg Gly Pro Lys Gly Asp Lys Gly Phe Gly Met Pro Gly Ala Pro
210 215 220

Gly Val Lys Gly Pro Pro Gly Met His Gly Pro Pro Gly Pro Val Gly
225 230 235 240

Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln
245 250 255

Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly
260 265 270

Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro Gly Ile Pro Gly Ile
275 280 285

Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly
290 295 300

Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu
305 310 315 320

Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly
325 330 335

Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro
340 345 350

Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro
355 360 365

Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly

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370

375

380

Pro Lys Gly Glu Gly Gly Ile Val Gly Pro Gln Gly Pro Pro Gly Pro
385 390 395 400

Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu
405 410 415

Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly
420 425 430

Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val
435 440 445

Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln
450 455 460

Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly
465 470 475 480

Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu
485 490 495

Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly
500 505 510

Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln
515 520 525

Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
530 535 540

Ala Val Met Pro Pro Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro Asp
545 550 555 560

Met Gly Leu Gly Ile Asp Gly Val Lys Pro Pro His Ala Tyr Gly Ala
565 570 575

Lys Lys Gly Lys Asn Gly Gly Pro Ala Tyr Glu Met Pro Ala Phe Thr
580 585 590

Ala Glu Leu Thr Ala Pro Phe Pro Pro Val Gly Ala Pro Val Lys Phe
595 600 605

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TDE022T 664500T

Asn Lys Leu Leu Tyr Asn Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly
610 615 620

Ile Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr Phe Ala Tyr His Val
625 630 635 640

His Cys Lys Gly Gly Asn Val Trp Val Ala Leu Phe Lys Asn Asn Glu
645 650 655

Pro Val Met Tyr Thr Tyr Asp Glu Tyr Lys Lys Gly Phe Leu Asp Gln
660 665 670

Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro Gly Asp Arg Val Phe
675 680 685

Leu Gln Met Pro Ser Glu Gln Ala Ala Gly Leu Tyr Ala Gly Gln Tyr
690 695 700

Val His Ser Ser Phe Ser Gly Tyr Leu Leu Tyr Pro Met
705 710 715

<210> 32

<211> 36

<212> PRT

<213> Homo sapiens

<400> 32

Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn Gly Arg Gln Asn Tyr Asn
1 5 10 15

Pro Gln Thr Gly Ile Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr Phe
20 25 30

Ala Tyr His Val
35

<210> 33

<211> 20

<212> PRT

<213> Homo sapiens

<400> 33

Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr Phe Ala Tyr His Val His
1 5 10 15

Cys Lys Gly Gly
20

<210> 34

<211> 27

<212> PRT

<213> Homo sapiens

<400> 34

Phe Pro Pro Val Gly Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn
1 5 10 15

Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly Ile
20 25

<210> 35

<211> 22

<212> PRT

<213> Homo sapiens

<400> 35

Asp Gln Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro Gly Asp Arg
1 5 10 15

Val Phe Leu Gln Met Pro
20

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<210> 36

<211> 20

<212> PRT

<213> Homo sapiens

<400> 36

Asp Gln Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro Gly Asp Arg
1 5 10 15

Val Phe Leu Gln
20

<210> 37

<211> 27

<212> PRT

<213> Homo sapiens

<400> 37

Pro Gly Pro His Gly Leu Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly
1 5 10 15

Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg
20 25

<210> 38

<211> 29

<212> PRT

<213> Homo sapiens

<400> 38

Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly
1 5 10 15

Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu

20

25

<210> 39

<211> 27

<212> PRT

<213> Homo sapiens

<400> 39

Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly
1 5 10 15

Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro
20 25

<210> 40

<211> 27

<212> PRT

<213> Homo sapiens

<400> 40

Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly
1 5 10 15

Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys
20 25

<210> 41

<211> 27

<212> PRT

<213> Homo sapiens

<400> 41

Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro Gly
1 5 10 15

Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro
20 25

<210> 42

<211> 27

<212> PRT

<213> Homo sapiens

<400> 42

Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly
1 5 10 15

Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys
20 25

<210> 43

<211> 11

<212> PRT

<213> Homo sapiens

<400> 43

Val His Ser Ser Phe Ser Gly Tyr Leu Leu Tyr
1 5 10

<210> 44

<211> 27

<212> PRT

<213> Homo sapiens

<400> 44

Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly
1 5 10 15

Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu Arg
 20 25

<210> 45
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 45

Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly
 1 5 10 15

Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu
 20 25

<210> 46
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 46

Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly
 1 5 10 15

Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro
 20 25

<210> 47
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 47

Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly
1 5 10 15

Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile
20 25

<210> 48

<211> 27

<212> PRT

<213> Homo sapiens

<400> 48

Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly
1 5 10 15

Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro
20 25

<210> 49

<211> 29

<212> PRT

<213> Homo sapiens

<400> 49

Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly
1 5 10 15

Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu
20 25

<210> 50

<211> 27

<212> PRT

<213> Homo sapiens

<400> 50

Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro Gly
20 25

<210> 51

<211> 27

<212> PRT

<213> Homo sapiens

<400> 51

Gly Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro Gly Met His Gly
1 5 10 15

Pro Pro Gly Pro Val Gly Leu Pro Gly Val Gly
20 25

<210> 52

<211> 27

<212> PRT

<213> Homo sapiens

<400> 52

Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly
1 5 10 15

Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro
20 25

<210> 53

<211> 27

<212> PRT

<213> Homo sapiens

<400> 53

Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
20 25

<210> 54

<211> 27

<212> PRT

<213> Homo sapiens

<400> 54

Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly
1 5 10 15

Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe Pro
20 25

<210> 55

<211> 27

<212> PRT

<213> Homo sapiens

<400> 55

Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile Gly
1 5 10 15

Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile Val
20 25

<210> 56

<211> 27

<212> PRT

<213> Homo sapiens

<400> 56

Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
20 25

<210> 57

<211> 29

<212> PRT

<213> Homo sapiens

<400> 57

Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly
1 5 10 15

Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu
20 25

<210> 58

<211> 29

<212> PRT

<213> Homo sapiens

<400> 58

Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly
1 5 10 15

Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu
20 25

<210> 59

<211> 27

<212> PRT

<213> Homo sapiens

<400> 59

Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly
1 5 10 15

Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro
20 25

<210> 60

<211> 27

<212> PRT

<213> Homo sapiens

<400> 60

Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly
1 5 10 15

Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro
20 25

<210> 61

<211> 27

<212> PRT

<213> Homo sapiens

<400> 61

Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly
1 5 10 15

Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro

20

25

<210> 62

<211> 10

<212> PRT

<213> Homo sapiens

<400> 62

Ser Ser Phe Ser Gly Tyr Leu Leu Tyr Pro
 1 5 10

<210> 63

<211> 27

<212> PRT

<213> Homo sapiens

<400> 63

Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly
 1 5 10 15

Asp Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln
 20 25

<210> 64

<211> 29

<212> PRT

<213> Homo sapiens

<400> 64

Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly
 1 5 10 15

Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile
 20 25

<210> 65

<211> 29

<212> PRT

<213> Homo sapiens

<400> 65

Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly
1 5 10 15

Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu
20 25

<210> 66

<211> 27

<212> PRT

<213> Homo sapiens

<400> 66

Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly
1 5 10 15

Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val
20 25

<210> 67

<211> 27

<212> PRT

<213> Homo sapiens

<400> 67

Pro Gly Pro Gln Gly Tyr Pro Gly Val Gly Lys Pro Gly Met Pro Gly
1 5 10 15

Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro
20 25

<210> 68

<211> 27

<212> PRT

<213> Homo sapiens

<400> 68

Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly
1 5 10 15

Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro
20 25

<210> 69

<211> 27

<212> PRT

<213> Homo sapiens

<400> 69

Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly Ile Gly Gly
1 5 10 15

Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro
20 25

<210> 70

<211> 29

<212> PRT

<213> Homo sapiens

<400> 70

Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg Gly
 1 5 10 15

Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln
 20 25

<210> 71

<211> 27

<212> PRT

<213> Homo sapiens

<400> 71

Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro Gly Val Gln Gly
 1 5 10 15

Pro Pro Gly Ile Pro Gly Ile Gly Lys Pro Gly
 20 25

<210> 72

<211> 27

<212> PRT

<213> Homo sapiens

<400> 72

Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly
 1 5 10 15

Pro Met Gly Pro Pro Gly Ala Ile Gly Phe Pro
 20 25

<210> 73

<211> 27

<212> PRT

<213> Homo sapiens

<400> 73

Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly
1 5 10 15

Val Pro Gly Val Gln Gly Pro Pro Gly Ile Pro
20 25

<210> 74

<211> 27

<212> PRT

<213> Homo sapiens

<400> 74

Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly
1 5 10 15

Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys
20 25

<210> 75

<211> 27

<212> PRT

<213> Homo sapiens

<400> 75

Gly Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly
1 5 10 15

Glu Pro Gly Ile Pro Gly Asp Gln Gly Leu Gln
20 25

<210> 76

<211> 27

<212> PRT

<213> Homo sapiens

<400> 76

Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg Gly
1 5 10 15

Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His
20 25

<210> 77

<211> 27

<212> PRT

<213> Homo sapiens

<400> 77

Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly
1 5 10 15

Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu
20 25

<210> 78

<211> 27

<212> PRT

<213> Homo sapiens

<400> 78

Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Lys Pro Gly Gln Asp Gly
1 5 10 15

Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys
20 25

<210> 79

<211> 27

<212> PRT

<213> Homo sapiens

<400> 79

Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly
1 5 10 15

Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu
20 25

<210> 80

<211> 27

<212> PRT

<213> Homo sapiens

<400> 80

Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly
1 5 10 15

Glu Gln Gly Leu Pro Gly Leu Pro Gly Pro Pro
20 25

<210> 81

<211> 27

<212> PRT

<213> Homo sapiens

<400> 81

Gly Pro Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro
20 25

<210> 82

<211> 27

<212> PRT

<213> Homo sapiens

<400> 82

Gly Pro Met Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly
1 5 10 15

Glu Gly Gly Ile Val Gly Pro Gln Gly Pro Pro
20 25

<210> 83

<211> 29

<212> PRT

<213> Homo sapiens

<400> 83

Gly Pro Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala
20 25

<210> 84

<211> 27

<212> PRT

<213> Homo sapiens

<400> 84

Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly
1 5 10 15

Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro

20

25

<210> 85

<211> 27

<212> PRT

<213> Homo sapiens

<400> 85

Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly
1 5 10 15

Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile
20 25

<210> 86

<211> 27

<212> PRT

<213> Homo sapiens

<400> 86

Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly
1 5 10 15

Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile
20 25

<210> 87

<211> 27

<212> PRT

<213> Homo sapiens

<400> 87

Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly
1 5 10 15

Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro
20 25

<210> 88

<211> 27

<212> PRT

<213> Homo sapiens

<400> 88

Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro
20 25

<210> 89

<211> 27

<212> PRT

<213> Homo sapiens

<400> 89

Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly
1 5 10 15

Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro
20 25

<210> 90

<211> 27

<212> PRT

<213> Homo sapiens

<400> 90

Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln Gly
1 5 10 15

Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly
20 25

<210> 91

<211> 27

<212> PRT

<213> Homo sapiens

<400> 91

Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro Gly
20 25

<210> 92

<211> 27

<212> PRT

<213> Homo sapiens

<400> 92

Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly
1 5 10 15

Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys
20 25

<210> 93

<211> 27

<212> PRT

<213> Homo sapiens

<400> 93

Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr
20 25

<210> 94

<211> 29

<212> PRT

<213> Homo sapiens

<400> 94

Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly
1 5 10 15

Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile
20 25

<210> 95

<211> 27

<212> PRT

<213> Homo sapiens

<400> 95

Pro Gly Ile Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly
1 5 10 15

Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro
20 25

<210> 96

<211> 27

<212> PRT

<213> Homo sapiens

<400> 96

Gly Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly
1 5 10 15

Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro
20 25

<210> 97

<211> 29

<212> PRT

<213> Homo sapiens

<400> 97

Gln Gly Tyr Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly
1 5 10 15

Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly Glu
20 25

<210> 98

<211> 27

<212> PRT

<213> Homo sapiens

<400> 98

Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu Gly
1 5 10 15

Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln
1 20 25

<210> 99

<211> 27

<212> PRT

<213> Homo sapiens

<400> 99

Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly
1 5 10 15

Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly
20 25

<210> 100

<211> 29

<212> PRT

<213> Homo sapiens

<400> 100

Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly
1 5 10 15

Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro
20 25

<210> 101

<211> 27

<212> PRT

<213> Homo sapiens

<400> 101

Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met
20 25

<210> 102

<211> 27

<212> PRT

<213> Homo sapiens

<400> 102

Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly
1 5 10 15

Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro
20 25

<210> 103

<211> 27

<212> PRT

<213> Homo sapiens

<400> 103

Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly
1 5 10 15

Pro Lys Gly Asp Arg Gly Met Gly Gly Val Pro
20 25

<210> 104

<211> 29

<212> PRT

<213> Homo sapiens

<400> 104

Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro
20 25

<210> 105

<211> 27

<212> PRT

<213> Homo sapiens

<400> 105

Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly
20 25

<210> 106

<211> 29

<212> PRT

<213> Homo sapiens

<400> 106

Gly Lys Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly Met Gly Gly
1 5 10 15

Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro
20 25

<210> 107

<211> 15

<212> PRT

<213> Homo sapiens

<400> 107

Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro

1 5 10 15

<210> 108

<211> 29

<212> PRT

<213> Homo sapiens

<400> 108

Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly
1 5 10 15

Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile Gly Gln
20 25

<210> 109

<211> 27

<212> PRT

<213> Homo sapiens

<400> 109

Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly
1 5 10 15

Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro
20 25

<210> 110

<211> 27

<212> PRT

<213> Homo sapiens

<400> 110

Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly
1 5 10 15

Pro Gln Gly Pro Ile Gly Val Pro Gly Val Gln
20 25

<210> 111

<211> 33

<212> PRT

<213> Homo sapiens

<400> 111

Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro
1 5 10 15

Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro Gln
20 25 30

Gly

<210> 112

<211> 27

<212> PRT

<213> Homo sapiens

<400> 112

Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly
1 5 10 15

Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro Met
20 25

<210> 113

<211> 27

<212> PRT

<213> Homo sapiens

<400> 113

Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly
1 5 10 15

Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro
20 25

<210> 114

<211> 27

<212> PRT

<213> Homo sapiens

<400> 114

Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro Gly
1 5 10 15

Pro Gln Gly Leu Arg Gly Pro Lys Gly Asp Lys
20 25

<210> 115

<211> 27

<212> PRT

<213> Homo sapiens

<400> 115

Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly
20 25

<210> 116

<211> 27

<212> PRT

<213> Homo sapiens

<400> 116

Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly
1 5 10 15

Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro
20 25

<210> 117

<211> 27

<212> PRT

<213> Homo sapiens

<400> 117

Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly
1 5 10 15

Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly
20 25

<210> 118

<211> 27

<212> PRT

<213> Homo sapiens

<400> 118

Pro Gly Pro Val Gly Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly
1 5 10 15

Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro
20 25

<210> 119

<211> 27

<212> PRT

<213> Homo sapiens

<400> 119

Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro Gly
1 5 10 15

Val Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly
20 25

<210> 120

<211> 27

<212> PRT

<213> Homo sapiens

<400> 120

Pro Gly Val Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly
1 5 10 15

Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro
20 25

<210> 121

<211> 29

<212> PRT

<213> Homo sapiens

<400> 121

Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly
1 5 10 15

Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile
20 25

FOE02T" 6645000T

<210> 122

<211> 27

<212> PRT

<213> Homo sapiens

<400> 122

Gly Glu Gly Gly Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly
1 5 10 15

Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro
20 25

<210> 123

<211> 29

<212> PRT

<213> Homo sapiens

<400> 123

Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly
1 5 10 15

Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu
20 25

<210> 124

<211> 24

<212> PRT

<213> Homo sapiens

<400> 124

Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

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Pro Pro Ala Val Met Pro Pro Thr
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<210> 125

<211> 27

<212> PRT

<213> Homo sapiens

<400> 125

Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly
1 5 10 15

Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro
20 25

<210> 126

<211> 27

<212> PRT

<213> Homo sapiens

<400> 126

Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly
1 5 10 15

Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro
20 25

<210> 127

<211> 29

<212> PRT

<213> Homo sapiens

<400> 127

Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly
1 5 10 15

Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro
20 25

<210> 128

<211> 44

<212> PRT

<213> Homo sapiens

<400> 128

Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu
1 5 10 15

Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met
20 25 30

Pro Pro Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro
35 40

<210> 129

<211> 44

<212> PRT

<213> Homo sapiens

<400> 129

Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro Gly Met His Gly Pro
1 5 10 15

Pro Gly Pro Val Gly Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly
20 25 30

Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly
35 40

<210> 130

<211> 44

<212> PRT

<213> Homo sapiens

<400> 130

Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro
1 5 10 15

Gln Gly Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro Gly Ile Pro
20 25 30

Gly Ile Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly
35 40

<210> 131

<211> 29

<212> PRT

<213> Homo sapiens

<400> 131

Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly
1 5 10 15

Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu
20 25

<210> 132

<211> 18

<212> PRT

<213> Homo sapiens

<400> 132

Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr
1 5 10 15

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<211> 27

<213> Homo sapiens

Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly
1 5 10 15

<210> 134

<211> 27

<212> PRT

<213> Homo sapiens

<400> 134

Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val Pro Gly
1 5 10 15

Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro
20 25

<210> 135

<211> 15

<212> PRT

<213> Homo sapiens

<400> 135

100549-120301
FOE02T-6645000T

Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
1 5 10 15

<210> 136

<211> 27

<212> PRT

<213> Homo sapiens

<400> 136

Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala
1 5 10 15

Val Met Pro Pro Thr Pro Pro Pro Gln Gly Glu
20 25

<210> 137

<211> 27

<212> PRT

<213> Homo sapiens

<400> 137

Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro
1 5 10 15

Pro Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro
20 25

<210> 138

<211> 29

<212> PRT

<213> Homo sapiens

<400> 138

Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly
1 5 10 15

Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro
20 25

<210> 139
<211> 27
<212> PRT
<213> Homo sapiens

<400> 139
Gly Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly
1 5 10 15

Pro Met Gly Ile Pro Gly Pro Gln Gly Pro Pro
20 25

<210> 140
<211> 35
<212> PRT
<213> Homo sapiens

<400> 140
Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly
1 5 10 15

Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu
20 25 30

Arg Gly Pro
35

<210> 141
<211> 27
<212> PRT

1000549-100070

<213> Homo sapiens

<400> 141

Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly
1 5 10 15

Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln
20 25

<210> 142

<211> 29

<212> PRT

<213> Homo sapiens

<400> 142

Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly
1 5 10 15

Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile
20 25

<210> 143

<211> 29

<212> PRT

<213> Homo sapiens

<400> 143

Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro
20 25

<210> 144

<211> 27
 <212> PRT
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<400> 144

Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile Val Gly
 1 5 10 15

Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu Pro
 20 25

<210> 145
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 145

Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile
 1 5 10 15

Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly
 20 25 30

Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly
 35 40

<210> 146
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 146

Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly
 1 5 10 15

1000549-120301
FOE02T-65450000T

Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile Gly Phe
20 25

<210> 147

<211> 29

<212> PRT

<213> Homo sapiens

<400> 147

Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly
1 5 10 15

Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys Gly Asp
20 25

<210> 148

<211> 29

<212> PRT

<213> Homo sapiens

<400> 148

Gly Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly
1 5 10 15

Pro Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu
20 25

<210> 149

<211> 29

<212> PRT

<213> Homo sapiens

<400> 149

Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly
 1 5 10 15

Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro
 20 25

<210> 150

<211> 15

<212> PRT

<213> Homo sapiens

<400> 150

Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro
 1 5 10 15

<210> 151

<211> 29

<212> PRT

<213> Homo sapiens

<400> 151

Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly
 1 5 10 15

Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro
 20 25

<210> 152

<211> 27

<212> PRT

<213> Homo sapiens

<400> 152

Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile Gly

10005499-120301
T0E02T-6645000T

1 5 10 15

Gln Lys Gly Glu Ile Gly Pro Met Gly Ile Pro
20 25

<210> 153
<211> 29
<212> PRT
<213> Homo sapiens

<400> 153
Gly Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly
1 5 10 15

Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val
20 25

<210> 154
<211> 27
<212> PRT
<213> Homo sapiens

<400> 154
Ser Leu Arg Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro Arg Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Leu Pro Gly His Gly
20 25

<210> 155
<211> 27
<212> PRT
<213> Homo sapiens

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T0E02T 664500T

<400> 155

Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly
1 5 10 15

Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg
20 25

<210> 156

<211> 754

<212> PRT

<213> Homo sapiens

<400> 156

Phe Asp Ser Ala Val Leu Ser Ser Ile Asn Val Met Ala Val Leu Pro
1 5 10 15

Gly Pro Leu Gln Leu Leu Gly Val Leu Leu Thr Ile Ser Leu Ser Ser
20 25 30

Ile Arg Leu Ile Gln Ala Gly Ala Tyr Tyr Gly Ile Lys Pro Leu Pro
35 40 45

Pro Gln Ile Pro Pro Gln Met Pro Pro Gln Ile Pro Gln Tyr Gln Pro
50 55 60

Leu Gly Gln Gln Val Pro His Met Pro Leu Ala Lys Asp Gly Leu Ala
65 70 75 80

Met Gly Lys Glu Met Pro His Leu Gln Tyr Gly Lys Glu Tyr Pro His
85 90 95

Leu Pro Gln Tyr Met Lys Glu Ile Gln Pro Ala Pro Arg Met Gly Lys
100 105 110

Glu Ala Val Pro Lys Lys Gly Lys Glu Ile Pro Leu Ala Ser Leu Arg
115 120 125

Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro Arg Gly Pro Pro Gly
130 135 140

Pro Pro Gly Leu Pro Gly His Gly Ile Pro Gly Ile Lys Gly Lys Pro
145 150 155 160

Gly Pro Gln Gly Tyr Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met
165 170 175

Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile
180 185 190

Gly Gln Lys Gly Glu Ile Gly Pro Met Gly Ile Pro Pro Gln Gly Pro
195 200 205

Pro Gly Pro His Gly Leu Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly
210 215 220

Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu
225 230 235 240

Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys Gly Asp Lys Gly Phe Gly
245 250 255

Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro Gly Met His Gly Pro
260 265 270

Pro Gly Pro Val Gly Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly
275 280 285

Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu
290 295 300

Pro Gly Pro Gln Gly Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro
305 310 315 320

Gly Ile Pro Gly Ile Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln
325 330 335

Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro
340 345 350

Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly Pro
355 360 365

10005499-100061

Lys Gly Asp Arg Gly Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg
370 375 380

Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly
385 390 395 400

Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala
405 410 415

Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile Val Gly Pro Gln
420 425 430

Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly
435 440 445

Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe
450 455 460

Pro Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro
465 470 475 480

Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly
485 490 495

Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile
500 505 510

Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys
515 520 525

Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys
530 535 540

Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu
545 550 555 560

Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly
565 570 575

Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro Gln Gly
580 585 590

Glu Tyr Leu Pro Asp Met Gly Leu Gly Ile Asp Gly Val Lys Pro Pro

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595

600

605

His Ala Tyr Gly Ala Lys Lys Gly Lys Asn Gly Gly Pro Ala Tyr Glu
610 615 620

Met Pro Ala Phe Thr Ala Glu Leu Thr Ala Pro Phe Pro Pro Val Gly
625 630 635 640

Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn Gly Arg Gln Asn Tyr
645 650 655

Asn Pro Gln Thr Gly Ile Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr
660 665 670

Phe Ala Tyr His Val His Cys Lys Gly Gly Asn Val Trp Val Ala Leu
675 680 685

Phe Lys Asn Asn Glu Pro Val Met Tyr Thr Tyr Asp Glu Tyr Lys Lys
690 695 700

Gly Phe Leu Asp Gln Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro
705 710 715 720

Gly Asp Arg Val Phe Leu Gln Met Pro Ser Glu Gln Ala Ala Gly Leu
725 730 735

Tyr Ala Gly Gln Tyr Val His Ser Ser Phe Ser Gly Tyr Leu Leu Tyr
740 745 750

Pro Met

<210> 157

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) .. (443)

<223> n = A, T, G, or C

<400> 157
 cgcaccggnn nnccggttga cccacgcgtc cgcgctccct ctctctgcca ccgctcaaag 60
 cctgggataa cgcttttgaa agcgaatcag gaaattactt aggaatcgga agccccaag 120
 aattatgaat aatcctcgct gccaaaggga aggggatttt gagcaaaagc tccacatctg 180
 cgcacactag agttcaaaga ctccagctgt tggaagggtct tgtgagcaat gtttgagagg 240
 taagactgga ccgctagggtc ttgccggtga gaaaggggac caaggaaaga ctgggaagaa 300
 aggaccata tgaccatagg gagagaaagg agaagtaggt ccaattgggtc ctctggacc 360
 caaggagagac agaggagaac aaggggaccc cgggctgcct ggggttttgc cgatgtggaa 420
 gcatcctggc tcaaataccgg etc 443

<210> 158

<211> 1397

<212> DNA

<213> Homo sapiens

<400> 158
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 aagccccata taattatgaa taatcctcgc tgccaaaggg aaggggattt tgagcaaaag 120
 ctccacatct gcgcacacta gagttcaaag actccagctg ttggaagggtc ttgtgagcaa 180
 gagccaaaga tgtttgtctt gctctatggt acaagttttg ccatttgtgc cagtggacaa 240
 ccccggggta atcagttgaa aggagagaac tactcccca ggtatatctg cagcattcct 300
 ggcttgctg gacctccagg gccccttga gcaaatgggt ccctggggc ccatgggtcgc 360
 atcggccttc caggaagaga tggtagagac ggcaggaaag gagagaaagg tgaaaaggga 420
 actgcagggt tgagaggtaa gactggaccg ctaggtcttg ccggtgagaa aggggaccaa 480
 ggagagactg ggaagaaagg acccatagga ccagaggag agaaaggaga agtaggtcca 540
 attgggtcctc ctggaccaa gggagacaga ggagaacaag gggacccggg gctgcctgga 600
 gtttgcagat gtggaagcat cgtgctcaa tccgcctttt ctggtggcat cacaaccagc 660

taccagaag aaagactacc tattatatattt aacaagggtcc tcttcaacga gggagagcac 720
 tacaaccctg ccacagggaa gttcatctgt gctttcccag ggatctatta cttttcttat 780
 gatatacat tggctaataa gcatctggca atcggactgg tacacaatgg gcaataccgg 840
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 tatctgcagc cagaagatga agtctggctg gagattttct tcacagacca gaatggcctc 960
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 agatgaaaca cagaaaagtt gaaaccacaa caaatgaat tctattaaag aatagcccca 1260
 gatataaatt ctcttgaaag caatgttcat aaatatttaa gcaaattaaa gacaatgtta 1320
 acaaattttc tattaaatgc cctgagtgat aaaaccagtt ggcaataata ttgccttatt 1380
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<210> 159
 <211> 1297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (80)..(949)
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<400> 159
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 Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala
 1 5 10
 att tgt gcc agt gga caa ccc cgg ggt aat cag ttg aaa gga gag aac 160
 Ile Cys Ala Ser Gly Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn
 15 20 25

tac tcc ccc agg tat atc tgc agc att cct ggc ttg cct gga cct cca Tyr Ser Pro Arg Tyr Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro 30 35 40	208
ggg ccc cct gga gca aat ggt tcc cct ggg ccc cat ggt cgc atc ggc Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly 45 50 55	256
ctt cca gga aga gat ggt aga gac ggc agg aaa gga gag aaa ggt gaa Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu 60 65 70 75	304
aag gga act gca ggt ttg aga ggt aag act gga ccg cta ggt ctt gcc Lys Gly Thr Ala Gly Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala 80 85 90	352
ggt gag aaa ggg gac caa gga gag act ggg aag aaa gga ccc ata gga Gly Glu Lys Gly Asp Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly 95 100 105	400
cca gag gga gag aaa gga gaa gta ggt cca att ggt cct cct gga cca Pro Glu Gly Glu Lys Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro 110 115 120	448
aag gga gac aga gga gaa caa ggg gac ccg ggg ctg cct gga gtt tgc Lys Gly Asp Arg Gly Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys 125 130 135	496
aga tgt gga agc atc gtg ctc aaa tcc gcc ttt tct gtt ggc atc aca Arg Cys Gly Ser Ile Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr 140 145 150 155	544
acc agc tac cca gaa gaa aga cta cct att ata ttt aac aag gtc ctc Thr Ser Tyr Pro Glu Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu 160 165 170	592
ttc aac gag gga gag cac tac aac cct gcc aca ggg aag ttc atc tgt Phe Asn Glu Gly Glu His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys 175 180 185	640
gct ttc cca ggg atc tat tac ttt tct tat gat atc aca ttg gct aat Ala Phe Pro Gly Ile Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn 190 195 200	688
aag cat ctg gca atc gga ctg gta cac aat ggg caa tac cgg ata aag Lys His Leu Ala Ile Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys 205 210 215	736
acc ttc gac gcc aac aca gga aac cat gat gtg gct tcg ggg tcc aca Thr Phe Asp Ala Asn Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr 220 225 230 235	784
gtc atc tat ctg cag cca gaa gat gaa gtc tgg ctg gag att ttc ttc Val Ile Tyr Leu Gln Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe 240 245 250	832

aca gac cag aat ggc ctc ttc tca gac cca ggt tgg gca gac agc tta 880
 Thr Asp Gln Asn Gly Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu
 255 260 265

ttc tcc ggg ttt ctc tta tac gtt gac aca gat tac cta gat tcc ata 928
 Phe Ser Gly Phe Leu Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile
 270 275 280

tca gaa gat gat gaa ttg tga tcaggaccaa gatccctgtg gttaaactc 979
 Ser Glu Asp Asp Glu Leu
 285

tgattgaatc tgggggttcca gaaggtggaa caagcaggaa tgggatccaa agagactccc 1039

actcagattc taaagcattt aaagacaatt ctagcagaat ttatcaaaac aagatgaaac 1099

acagaaaagt tgaaaccaca acaaaatgaa ttctattaaa gaatagcccc agatataaat 1159

tctcttgaaa gcaatgttca taaatattta agcaaattaa agacaatgtt aacaaatttt 1219

ctattaaatg ccctgagtga taaaaccagt tggcaataat attgccttat taaatcttca 1279

aaaaataaaa aaaaaaaaa 1297

<210> 160

<211> 289

<212> PRT

<213> Homo sapiens

<400> 160

Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly
 1 5 10 15

Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn Tyr Ser Pro Arg Tyr
 20 25 30

Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala
 35 40 45

Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
 50 55 60

Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr Ala Gly
 65 70 75 80

10005490-120301
 T0E02T " 6645000T

Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp
 85 90 95

Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys
 100 105 110

Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly
 115 120 125

Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys Arg Cys Gly Ser Ile
 130 135 140

Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr Thr Ser Tyr Pro Glu
 145 150 155 160

Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu
 165 170 175

His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile
 180 185 190

Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn Lys His Leu Ala Ile
 195 200 205

Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys Thr Phe Asp Ala Asn
 210 215 220

Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln
 225 230 235 240

Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe Thr Asp Gln Asn Gly
 245 250 255

Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu Phe Ser Gly Phe Leu
 260 265 270

Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile Ser Glu Asp Asp Glu
 275 280 285

Leu

<210> 161

10005499 - 120301
FOE02T " 6645000T

<211> 870

<212> DNA

<213> Homo sapiens

<400> 161

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ggacctccag ggccccctgg agcaaatggt tcccctgggc cccatggtcg catcggcctt 180
ccaggaagag atggtagaga cggcaggaaa ggagagaaag gtgaaaaggg aactgcaggt 240
ttgagaggta agactggacc gctaggtctt gccggtgaga aaggggacca aggagagact 300
gggaagaaaag gacccatagg accagaggga gagaaaggag aagtaggtcc aattggctct 360
cctggaccaa agggagacag aggagaacaa ggggacccgg ggctgcctgg agtttgaga 420
tgtggaagca tcgtgctcaa atccgccttt tctgttggca tcacaaccag ctaccagaa 480
gaaagactac ctattatatt taacaaggtc ctcttcaacg agggagagca ctacaaccct 540
gccacaggga agttcatctg tgctttccca gggatctatt acttttctta tgatatacaca 600
ttggctaata agcatctggc aatcggactg gtacacaatg ggcaataaccg gataaagacc 660
ttcgacgcca acacaggaaa ccatgatgtg gcttcgggggt ccacagtcac ctatctgcag 720
ccagaagatg aagtctggct ggagattttc ttcacagacc agaattggcct cttctcagac 780
ccaggttggg cagacagctt attctccggg tttctcttat acgttgacac agattaccta 840
gattccatat cagaagatga tgaattgtga 870

<210> 162

<211> 16

<212> PRT

<213> Homo sapiens

<400> 162

Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly
1 5 10 15

1000549-120301

<210> 163

<211> 273

<212> PRT

<213> Homo sapiens

<400> 163

Gln	Pro	Arg	Gly	Asn	Gln	Leu	Lys	Gly	Glu	Asn	Tyr	Ser	Pro	Arg	Tyr	1	5	10	15
Ile	Cys	Ser	Ile	Pro	Gly	Leu	Pro	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Ala	20	25	30	
Asn	Gly	Ser	Pro	Gly	Pro	His	Gly	Arg	Ile	Gly	Leu	Pro	Gly	Arg	Asp	35	40	45	
Gly	Arg	Asp	Gly	Arg	Lys	Gly	Glu	Lys	Gly	Glu	Lys	Gly	Thr	Ala	Gly	50	55	60	
Leu	Arg	Gly	Lys	Thr	Gly	Pro	Leu	Gly	Leu	Ala	Gly	Glu	Lys	Gly	Asp	65	70	75	80
Gln	Gly	Glu	Thr	Gly	Lys	Lys	Gly	Pro	Ile	Gly	Pro	Glu	Gly	Glu	Lys	85	90	95	
Gly	Glu	Val	Gly	Pro	Ile	Gly	Pro	Pro	Gly	Pro	Lys	Gly	Asp	Arg	Gly	100	105	110	
Glu	Gln	Gly	Asp	Pro	Gly	Leu	Pro	Gly	Val	Cys	Arg	Cys	Gly	Ser	Ile	115	120	125	
Val	Leu	Lys	Ser	Ala	Phe	Ser	Val	Gly	Ile	Thr	Thr	Ser	Tyr	Pro	Glu	130	135	140	
Glu	Arg	Leu	Pro	Ile	Ile	Phe	Asn	Lys	Val	Leu	Phe	Asn	Glu	Gly	Glu	145	150	155	160
His	Tyr	Asn	Pro	Ala	Thr	Gly	Lys	Phe	Ile	Cys	Ala	Phe	Pro	Gly	Ile	165	170	175	
Tyr	Tyr	Phe	Ser	Tyr	Asp	Ile	Thr	Leu	Ala	Asn	Lys	His	Leu	Ala	Ile				

10005495-120301
FOE021-5645007

180

185

190

Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys Thr Phe Asp Ala Asn
195 200 205

Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln
210 215 220

Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe Thr Asp Gln Asn Gly
225 230 235 240

Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu Phe Ser Gly Phe Leu
245 250 255

Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile Ser Glu Asp Asp Glu
260 265 270

Leu

<210> 164

<211> 36

<212> PRT

<213> Homo sapiens

<400> 164

Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu His Tyr Asn
1 5 10 15

Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile Tyr Tyr Phe
20 25 30

Ser Tyr Asp Ile
35

<210> 165

<211> 27

<212> PRT

<213> Homo sapiens

<400> 165

Tyr Pro Glu Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn
1 5 10 15

Glu Gly Glu His Tyr Asn Pro Ala Thr Gly Lys
20 25

<210> 166

<211> 20

<212> PRT

<213> Homo sapiens

<400> 166

Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln Pro Glu Asp Glu
1 5 10 15

Val Trp Leu Glu
20

<210> 167

<211> 22

<212> PRT

<213> Homo sapiens

<400> 167

Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln Pro Glu Asp Glu
1 5 10 15

Val Trp Leu Glu Ile Phe
20

<210> 168

<211> 20

<212> PRT

<213> Homo sapiens

<400> 168

Phe Ile Cys Ala Phe Pro Gly Ile Tyr Tyr Phe Ser Tyr Asp Ile Thr
1 5 10 15

Leu Ala Asn Lys
20

<210> 169

<211> 27

<212> PRT

<213> Homo sapiens

<400> 169

Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys
20 25

<210> 170

<211> 27

<212> PRT

<213> Homo sapiens

<400> 170

Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly
1 5 10 15

Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro
20 25

10005499-120301
T0E02T "6645000T

<210> 171

<211> 27

<212> PRT

<213> Homo sapiens

<400> 171

Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly
1 5 10 15

Arg Ile Gly Leu Pro Gly Arg Asp Gly Arg Asp
20 25

<210> 172

<211> 29

<212> PRT

<213> Homo sapiens

<400> 172

Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu
20 25

<210> 173

<211> 29

<212> PRT

<213> Homo sapiens

<400> 173

Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp Gln Gly Glu Thr Gly
1 5 10 15

Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys Gly Glu

20

25

<210> 174

<211> 27

<212> PRT

<213> Homo sapiens

<400> 174

Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly
1 5 10 15

Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
20 25

<210> 175

<211> 29

<212> PRT

<213> Homo sapiens

<400> 175

Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys Gly Glu Val Gly
1 5 10 15

Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly Glu
20 25

<210> 176

<211> 11

<212> PRT

<213> Homo sapiens

<400> 176

Ala Asp Ser Leu Phe Ser Gly Phe Leu Leu Tyr
1 5 10

10005499-12030T

<210> 177

<211> 27

<212> PRT

<213> Homo sapiens

<400> 177

Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys
20 25

<210> 178

<211> 29

<212> PRT

<213> Homo sapiens

<400> 178

Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu
20 25

<210> 179

<211> 27

<212> PRT

<213> Homo sapiens

<400> 179

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly
1 5 10 15

Glu Lys Gly Thr Ala Gly Leu Arg Gly Lys Thr
20 25

<210> 180

<211> 27

<212> PRT

<213> Homo sapiens

<400> 180

Gly Glu Lys Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly
1 5 10 15

Asp Arg Gly Glu Gln Gly Asp Pro Gly Leu Pro
20 25

<210> 181

<211> 29

<212> PRT

<213> Homo sapiens

<400> 181

Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr
20 25

<210> 182

<211> 305

<212> PRT

<213> Homo sapiens

<400> 182

10005499-120301

Ser Ser Lys Thr Pro Ala Val Gly Arg Ser Cys Glu Gln Glu Pro Lys
1 5 10 15

Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly
20 25 30

Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn Tyr Ser Pro Arg Tyr
35 40 45

Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala
50 55 60

Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
65 70 75 80

Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr Ala Gly
85 90 95

Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp
100 105 110

Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys
115 120 125

Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly
130 135 140

Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys Arg Cys Gly Ser Ile
145 150 155 160

Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr Thr Ser Tyr Pro Glu
165 170 175

Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu
180 185 190

His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile
195 200 205

Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn Lys His Leu Ala Ile
210 215 220

Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys Thr Phe Asp Ala Asn

10005499-120301

225 230 235 240

Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln
 245 250 255

Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe Thr Asp Gln Asn Gly
 260 265 270

Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu Phe Ser Gly Phe Leu
 275 280 285

Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile Ser Glu Asp Asp Glu
 290 295 300

Leu
 305

<210> 183
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 183
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 gcctgcagcc ctaggggtcca gttcagagtc tgtcatctga accatgagga tctggtggtt 120
 tctgcttgcc attgaaatct gcacagggaa cataaaactca caggacacct gcaggcaagg 180
 gcaccctggc atccctggga accccgggtca caatggtctg cctggaagag atggacgaga 240
 cggagcgaag ggtgacaaag gcgatgcagg agaaccagga cgtcctggca gcccggggaa 300
 ggatgggacg agtggagaga agggagaacg aggagcagat ggaaaagttg aagcaaaagg 360
 catcaaaggt gatcaaggct caagaggatc ccagaaaaca tggccccaag gggc 414

<210> 184
 <211> 792
 <212> DNA
 <213> Homo sapiens

<400> 184
 aggaaggctg attttatttta gccgtttctt ttttcttggt ttgcacagta tctgggtcca 60
 gcctgcagcc ctaggggtcca gttcagagtc tgtcatctga accatgagga tctgggtggtt 120
 tctgcttgcc attgaaatct gcacagggaa cataaactca caggacacct gcaggcaagg 180
 gcaccctggc atccctggga accccgggtca caatgggtctg cctggaagag atggacgaga 240
 cggagcgaag ggtgacaaag gcgatgcagg agaaccagga cgtcctggca gcccggggaa 300
 ggatgggacg agtggagaga agggagaacg aggagcagat ggaaaagttag aagcaaaagg 360
 catcaaaggt gatcaaggct caatgaggat cccagggaaa acatggcccc aaggggcttg 420
 cagggcccat gggagagaaa ggcctccgag gagagactgg gcctcagggg cagaagggga 480
 ataaggggtga cgtgggtccc actgggtctg agggggccaag gggcaacatt gggccttttg 540
 gcccactgg tttaccgggc cccatgggccc ctattggaaa gcctgggtccc aagggagaag 600
 ctggaccac ggggccccag ggtgagccag gagtccgggg aataagaggc tggaaaggag 660
 atcgaggaga gaaagggaaa atcggtgaga ctctagtctt gccaaaaagt gctttcactg 720
 tggggctcac ggtgctgagc aagtttcctt cttcagatgt gccattaaa tttgataaga 780
 tccacatcac tg 792

<210> 185

<211> 951

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (18)..(884)

<223>

<400> 185
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 Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu
 1 5 10

atc tgc aca ggg aac ata aac tca cag gac acc tgc agg caa ggg cac Ile Cys Thr Gly Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His 15 20 25	98
cct ggc atc cct ggg aac ccc ggt cac aat ggt ctg cct gga aga gat Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp 30 35 40	146
gga cga gac gga gcg aag ggt gac aaa ggc gat gca gga gaa cca gga Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly 45 50 55	194
cgt cct ggc agc ccg ggg aag gat ggg acg agt gga gag aag gga gaa Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu 60 65 70 75	242
cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt gat caa Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln 80 85 90	290
ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt gca ggg Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly 95 100 105	338
ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag ggg cag Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln 110 115 120	386
aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg cca agg Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg 125 130 135	434
ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc atg ggc Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly 140 145 150 155	482
cct att gga aag cct ggt ccc aaa gga gaa gct gga ccc acg ggg ccc Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro 160 165 170	530
cag gat atg ccc att aaa ttt gat aag atc ctg tat aac gaa ttc aac Gln Asp Met Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn 175 180 185	578
cat tat gat aca gca gcg ggg aaa ttc acg tgc cac att gct ggg gtc His Tyr Asp Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val 190 195 200	626
tat tac ttc acc tac cac atc act gtt ttc tcc agg aat gtt cag gtg Tyr Tyr Phe Thr Tyr His Ile Thr Val Phe Ser Arg Asn Val Gln Val 205 210 215	674
tct ttg gtc aaa aat gga gta aaa ata ctg cac acc aaa gat gct tac Ser Leu Val Lys Asn Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr 220 225 230 235	722
atg agc tct gag gac cag gcc tct ggc ggc att gtc ctg cag ctg aag	770

Met Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys
240 245 250

ctc ggg gat gag gtg tgg ctg cag gtg aca gga gga gag agg ttc aat 818
Leu Gly Asp Glu Val Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn
255 260 265

ggc ttg ttt gct gat gag gac gat gac aca act ttc aca ggg ttc ctt 866
Gly Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu
270 275 280

ctg ttc agc agc ccg tga cagaggagag tttaaaaatc cgccacacca 914
Leu Phe Ser Ser Pro
285

tccatcagaa tcagcttggg atgaacttat tcagatg 951

<210> 186
<211> 288
<212> PRT
<213> Homo sapiens

<400> 186

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
1 5 10 15

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly
20 25 30

Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala
35 40 45

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

10005499-120301

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Asp Met Pro Ile
165 170 175

Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala
180 185 190

Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr
195 200 205

His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn
210 215 220

Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp
225 230 235 240

Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val
245 250 255

Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp
260 265 270

Glu Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
275 280 285

<210> 187

<211> 867

<212> DNA

<213> Homo sapiens

<400> 187

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 ggaagagatg gacgagacgg agcgaagggg gacaaaggcg atgcaggaga accaggacgt 180
 cctggcagcc cggggaagga tgggacgagt ggagagaagg gagaacgagg agcagatgga 240
 aaagttgaag caaaaggcat caaaggatgat caaggctcaa gaggatcccc aggaaaaacat 300
 ggccccaagg ggcttgcagg gcccatggga gagaaggggc tccgaggaga gactgggcct 360
 caggggcaga aggggaataa ggggtgacgtg ggtcccactg gtcctgaggg gccaaagggc 420
 aacattgggc ctttgggccc aactggttta ccgggccccca tgggcccctat tggaaagcct 480
 ggtcccaaag gagaagctgg acccacgggg cccagagata tgccattaa atttgataag 540
 atcctgtata acgaattcaa ccattatgat acagcagcgg ggaaattcac gtgccacatt 600
 gctgggggtct attacttcac ctaccacatc actgttttct ccaggaatgt tcaggtgtct 660
 ttggtcaaaa atggagtaaa aatactgcac accaaagatg cttacatgag ctctgaggac 720
 caggcctctg gcggcattgt cctgcagctg aagctcgggg atgaggtgtg gctgcagggt 780
 acaggaggag agaggttcaa tggcttggtt gctgatgagg acgatgacac aactttcaca 840
 gggttccttc tgttcagcag cccgtga 867

<210> 188

<211> 19

<212> PRT

<213> Homo sapiens

<400> 188

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
 1 5 10 15

Ile Asn Ser

<210> 189

<211> 269

<212> PRT

<213> Homo sapiens

<400> 189

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Asp Met Pro Ile Lys Phe Asp
145 150 155 160

Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
165 170 175

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
180 185 190

Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys
195 200 205

100549
T0E02T " 664500T

Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser
210 215 220

Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln
225 230 235 240

Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp
245 250 255

Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
260 265

<210> 190

<211> 36

<212> PRT

<213> Homo sapiens

<400> 190

Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp
1 5 10 15

Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe
20 25 30

Thr Tyr His Ile
35

<210> 191

<211> 22

<212> PRT

<213> Homo sapiens

<400> 191

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln Val Thr

20

<210> 192
<211> 20
<212> PRT
<213> Homo sapiens

<400> 192

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln
20

<210> 193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 193

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
1 5 10 15

Val Phe Ser Arg
20

<210> 194
<211> 27
<212> PRT
<213> Homo sapiens

<400> 194

Thr Gly Pro Gln Asp Met Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn
1 5 10 15

Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
20 25

<210> 195

<211> 27

<212> PRT

<213> Homo sapiens

<400> 195

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 196

<211> 27

<212> PRT

<213> Homo sapiens

<400> 196

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Asp Met Pro
20 25

<210> 197

<211> 29

<212> PRT

<213> Homo sapiens

<400> 197

10005499-120301

Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 25

<210> 198

<211> 29

<212> PRT

<213> Homo sapiens

<400> 198

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 199

<211> 29

<212> PRT

<213> Homo sapiens

<400> 199

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

<210> 200

<211> 27

<212> PRT

<213> Homo sapiens

10005499-100001
FOE02T-6645000T

<400> 200

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 201

<211> 27

<212> PRT

<213> Homo sapiens

<400> 201

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly
1 5 10 15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 202

<211> 27

<212> PRT

<213> Homo sapiens

<400> 202

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 203

<211> 29

<212> PRT

<213> Homo sapiens

<400> 203

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 204

<211> 27

<212> PRT

<213> Homo sapiens

<400> 204

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 205

<211> 29

<212> PRT

<213> Homo sapiens

<400> 205

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 206

<211> 29

<212> PRT

<213> Homo sapiens

<400> 206

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 207

<211> 29

<212> PRT

<213> Homo sapiens

<400> 207

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 208

<211> 11

<212> PRT

<213> Homo sapiens

<400> 208

Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe
1 5 10

<210> 209

<211> 10

10005499 10E02T 664500T

<212> PRT

<213> Homo sapiens

<400> 209

Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
1 5 10

<210> 210

<211> 27

<212> PRT

<213> Homo sapiens

<400> 210

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 211

<211> 27

<212> PRT

<213> Homo sapiens

<400> 211

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly
1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys
20 25

<210> 212

<211> 27

10005499-120301
FOE02T-6545000T

<212> PRT

<213> Homo sapiens

<400> 212

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

<210> 213

<211> 29

<212> PRT

<213> Homo sapiens

<400> 213

Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
20 25

<210> 214

<211> 1176

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1176)

<223> n = A, T, G, or C |

<220>

<221> CDS

<222> (18)..(920)

<223>

<400> 214

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		Met	Arg	Ile	Trp	Trp	Leu	Leu	Leu	Ala	Ile	Glu				
		1			5					10						
atc	tgc	aca	ggg	aac	ata	aac	tca	cag	gac	acc	tgc	agg	caa	ggg	cac	98
Ile	Cys	Thr	Gly	Asn	Ile	Asn	Ser	Gln	Asp	Thr	Cys	Arg	Gln	Gly	His	
		15						20					25			
cct	ggc	atc	cct	ggg	aac	ccc	ggt	cac	aat	ggt	ctg	cct	gga	aga	gat	146
Pro	Gly	Ile	Pro	Gly	Asn	Pro	Gly	His	Asn	Gly	Leu	Pro	Gly	Arg	Asp	
		30					35				40					
gga	cga	gac	gga	gcg	aag	ggt	gac	aaa	ggc	gat	gca	gga	gaa	cca	gga	194
Gly	Arg	Asp	Gly	Ala	Lys	Gly	Asp	Lys	Gly	Asp	Ala	Gly	Glu	Pro	Gly	
	45					50					55					
cgt	cct	ggc	agc	ccg	ggg	aag	gat	ggg	acg	agt	gga	gag	aag	gga	gaa	242
Arg	Pro	Gly	Ser	Pro	Gly	Lys	Asp	Gly	Thr	Ser	Gly	Glu	Lys	Gly	Glu	
	60				65				70						75	
cga	gga	gca	gat	gga	aaa	gtt	gaa	gca	aaa	ggc	atc	aaa	ggt	gat	caa	290
Arg	Gly	Ala	Asp	Gly	Lys	Val	Glu	Ala	Lys	Gly	Ile	Lys	Gly	Asp	Gln	
			80						85					90		
ggc	tca	aga	gga	tcc	cca	gga	aaa	cat	ggc	ccc	aag	ggg	ctt	gca	ggg	338
Gly	Ser	Arg	Gly	Ser	Pro	Gly	Lys	His	Gly	Pro	Lys	Gly	Leu	Ala	Gly	
			95					100					105			
ccc	atg	gga	gag	aag	ggc	ctc	cga	gga	gag	act	ggg	cct	cag	ggg	cag	386
Pro	Met	Gly	Glu	Lys	Gly	Leu	Arg	Gly	Glu	Thr	Gly	Pro	Gln	Gly	Gln	
		110					115					120				
aag	ggg	aat	aag	ggt	gac	gtg	ggt	ccc	act	ggt	cct	gag	ggg	cca	agg	434
Lys	Gly	Asn	Lys	Gly	Asp	Val	Gly	Pro	Thr	Gly	Pro	Glu	Gly	Pro	Arg	
	125					130					135					
ggc	aac	att	ggg	cct	ttg	ggc	cca	act	ggt	tta	ccg	ggc	ccc	atg	ggc	482
Gly	Asn	Ile	Gly	Pro	Leu	Gly	Pro	Thr	Gly	Leu	Pro	Gly	Pro	Met	Gly	
	140				145				150					155		
cct	att	gga	aag	cct	ggt	ccc	aag	gga	gaa	gct	gga	ccc	acg	ggg	ccc	530
Pro	Ile	Gly	Lys	Pro	Gly	Pro	Lys	Gly	Glu	Ala	Gly	Pro	Thr	Gly	Pro	
				160					165					170		
cag	ggt	gag	cca	gga	gtc	cgg	gga	ata	aga	ggc	tgg	aaa	gga	gat	cga	578
Gln	Gly	Glu	Pro	Gly	Val	Arg	Gly	Ile	Arg	Gly	Trp	Lys	Gly	Asp	Arg	
			175					180					185			

gga gag aaa ggg aaa atc ggt gag act cta gtc ttg cca aaa agt gct	626
Gly Glu Lys Gly Lys Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala	
190 195 200	
ttc act gtg ggg ctc acg gtg ctg agc aag ttt cct tct tca gat gtg	674
Phe Thr Val Gly Leu Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val	
205 210 215	
ccc att aaa ttt gat aag atc cac atc act gtt ttc tcc agg aat gtt	722
Pro Ile Lys Phe Asp Lys Ile His Ile Thr Val Phe Ser Arg Asn Val	
220 225 230 235	
cag gtg tct ttg gtc aaa aac gga gta aaa ata ctg cac acc aga gat	770
Gln Val Ser Leu Val Lys Asn Gly Val Lys Ile Leu His Thr Arg Asp	
240 245 250	
gct tac gtg agc tct gag gac cag gcc tct ggc agc att gtc ctg cag	818
Ala Tyr Val Ser Ser Glu Asp Gln Ala Ser Gly Ser Ile Val Leu Gln	
255 260 265	
ctg aag ctc ggg gat gag atg tgg tgt gtg att cat cgt gtg gca aaa	866
Leu Lys Leu Gly Asp Glu Met Trp Cys Val Ile His Arg Val Ala Lys	
270 275 280	
tgt ctc tcc atc tgt gat cct ttt aca gtg gcg tct tgt gtg cgc tct	914
Cys Leu Ser Ile Cys Asp Pro Phe Thr Val Ala Ser Cys Val Arg Ser	
285 290 295	
cga tga gggcaaggtc acctctgctt tgaggggccc ggtttagtgg tctcctaccc	970
Arg	
300	
agagtgtcgg gtccgggaac tgcttctgca tgagcccctt gctccacgtg aatctgaata	1030
gttcgttctg gcagtggcgg tgaattcgtc ctgccaggac ccgccctctg catacactca	1090
ggcgcacccc tgctaaagcc ctttaacttc agcgtacaaa gtccttgctt aanaagccta	1150
tcccttgngc gntcacaggc cggatt	1176

<210> 215

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1176)

<223> n = A, T, G, or C

<400> 215

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
1 5 10 15

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly
20 25 30

Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala
35 40 45

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
165 170 175

Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
180 185 190

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
195 200 205

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp
210 215 220

Lys Ile His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val
225 230 235 240

Lys Asn Gly Val Lys Ile Leu His Thr Arg Asp Ala Tyr Val Ser Ser
245 250 255

Glu Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp
260 265 270

Glu Met Trp Cys Val Ile His Arg Val Ala Lys Cys Leu Ser Ile Cys
275 280 285

Asp Pro Phe Thr Val Ala Ser Cys Val Arg Ser Arg
290 295 300

<210> 216

<211> 903

<212> DNA

<213> Homo sapiens

<400> 216

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gacacctgca ggcaagggca ccctggcatc cctgggaacc ccggtcaciaa tggctctgcct	120
ggaagagatg gacgagacgg agcgaagggg gacaaaggcg atgcaggaga accaggacgt	180
cctggcagcc cggggaagga tgggacgagt ggagagaagg gagaacgagg agcagatgga	240
aaagttgaag caaaaggcat caaaggtgat caaggctcaa gaggatcccc aggaaaacat	300
ggcccgaagg ggcttgagg gcccattgga gagaagggcc tccgaggaga gactgggcct	360
caggggcaga aggggaataa ggggtgacgtg ggtcccactg gtcctgaggg gccaaggggc	420
aacattgggc ctttggggcc aactggttta ccgggccccca tgggccctat tggaaagcct	480
ggtcccaagg gagaagctgg acccacgggg cccaggggtg agccaggagt ccggggaata	540
agaggctgga aaggagatcg aggagagaaa gggaaaatcg gtgagactct agtcttgcca	600
aaaagtgctt tcaactgtggg gctcacgggtg ctgagcaagt ttccttcttc agatgtgccc	660

attaaatttg ataagatcca catcactgtt ttctccagga atgttcaggt gtctttggtc 720
 aaaaacggag taaaaataact gcacaccaga gatgcttacg tgagctctga ggaccaggcc 780
 tctggcagca ttgtcctgca gctgaagctc ggggatgaga tgtggtgtgt gattcatcgt 840
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 tga 903

<210> 217
 <211> 281
 <212> PRT
 <213> Homo sapiens

<400> 217

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
 1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
 20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
 35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
 50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
 65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
 85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
 100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
 115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
 130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly Val Arg Gly
145 150 155 160

Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu
165 170 175

Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu Thr Val Leu
180 185 190

Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp Lys Ile His
195 200 205

Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly
210 215 220

Val Lys Ile Leu His Thr Arg Asp Ala Tyr Val Ser Ser Glu Asp Gln
225 230 235 240

Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Met Trp
245 250 255

Cys Val Ile His Arg Val Ala Lys Cys Leu Ser Ile Cys Asp Pro Phe
260 265 270

Thr Val Ala Ser Cys Val Arg Ser Arg
275 280

<210> 218

<211> 27

<212> PRT

<213> Homo sapiens

<400> 218

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro
20 25

<210> 219
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 219
 Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
 1 5 10 15
 Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
 20 25

<210> 220
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 220
 Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
 1 5 10 15
 Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
 20 25

<210> 221
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 221
 Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
 1 5 10 15

10005499-120301
TOE02T-66450001

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 222

<211> 29

<212> PRT

<213> Homo sapiens

<400> 222

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

<210> 223

<211> 27

<212> PRT

<213> Homo sapiens

<400> 223

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 224

<211> 27

<212> PRT

<213> Homo sapiens

<400> 224

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly

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1 5 10 15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 225

<211> 27

<212> PRT

<213> Homo sapiens

<400> 225

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 226

<211> 29

<212> PRT

<213> Homo sapiens

<400> 226

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 227

<211> 27

<212> PRT

<213> Homo sapiens

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<400> 227

Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly
1 5 10 15

Glu Pro Gly Val Arg Gly Ile Arg Gly Trp Lys
20 25

<210> 228

<211> 27

<212> PRT

<213> Homo sapiens

<400> 228

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 229

<211> 29

<212> PRT

<213> Homo sapiens

<400> 229

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 230

<211> 29

<212> PRT

<213> Homo sapiens

<400> 230

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
1 5 10 15

Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu
20 25

<210> 231

<211> 20

<212> PRT

<213> Homo sapiens

<400> 231

Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Met Trp Cys Val
20

<210> 232

<211> 27

<212> PRT

<213> Homo sapiens

<400> 232

Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly
1 5 10 15

Pro Gln Gly Glu Pro Gly Val Arg Gly Ile Arg
20 25

<210> 233

<211> 22

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<212> PRT

<213> Homo sapiens

<400> 233

Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Met Trp Cys Val Ile His
20

<210> 234

<211> 29

<212> PRT

<213> Homo sapiens

<400> 234

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 235

<211> 29

<212> PRT

<213> Homo sapiens

<400> 235

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 236

<211> 27

<212> PRT

<213> Homo sapiens

<400> 236

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 237

<211> 27

<212> PRT

<213> Homo sapiens

<400> 237

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly
1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys
20 25

<210> 238

<211> 27

<212> PRT

<213> Homo sapiens

<400> 238

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

45	50	55	
cca gga cgt cct ggc agc ccg ggg aag gat ggg acg agt gga gag aag			243
Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys			
60	65	70	
gga gaa cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt			291
Gly Glu Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly			
75	80	85	
gat caa ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt			339
Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu			
90	95	100	105
gca ggg ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag			387
Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln			
110	115	120	
ggg cag aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg			435
Gly Gln Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly			
125	130	135	
cca agg ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc			483
Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro			
140	145	150	
atg ggc cct att gga aag cct ggt ccc aaa gga gaa gct gga ccc acg			531
Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr			
155	160	165	
ggg ccc cag ggt gag cca gga gtc cag gga ata aga ggc tgg aaa gga			579
Gly Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys Gly			
170	175	180	185
gat cga gga gag aaa ggg aaa atc ggt gag act cta gtc ttg cca aaa			627
Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu Thr Leu Val Leu Pro Lys			
190	195	200	
agt gct ttc act gtg ggg ctc acg gtg ctg agc aag ttt cct tct tca			675
Ser Ala Phe Thr Val Gly Leu Thr Val Leu Ser Lys Phe Pro Ser Ser			
205	210	215	
gat agg ccc att aaa ttt gat aag atc ctg tat aac gaa ttc aac cat			723
Asp Arg Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His			
220	225	230	
tat gat aca gca gcg ggg aaa ttc acg tgc cac att gct ggg gtc tat			771
Tyr Asp Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr			
235	240	245	
tac ttc acc tac cac atc act gtt ttc tcc aga aat gtt cag gtg tct			819
Tyr Phe Thr Tyr His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser			
250	255	260	265
ttg gtc aaa aat gga gta aaa ata ctg cac acc aaa gat gct tac atg			867
Leu Val Lys Asn Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met			
270	275	280	

agc tct gag gac cag gcc tct ggc ggc att gtc ctg cag ctg aag ctc 915
Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu
285 290 295

ggg gat gag gtg tgg ctg cag gtg aca gga gga gag agg ttc aat ggc 963
Gly Asp Glu Val Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly
300 305 310

ttg ttt gct gat gag gac gat gac aca act ttc aca ggg ttc ctt ctg 1011
Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu
315 320 325

ttc agc agc ccg tga 1026
Phe Ser Ser Pro
330

<210> 241

<211> 333

<212> PRT

<213> Homo sapiens

<400> 241

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
1 5 10 15

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly
20 25 30

Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala
35 40 45

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
 115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
 130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
 145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
 165 170 175

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
 180 185 190

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
 195 200 205

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp
 210 215 220

Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
 225 230 235 240

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
 245 250 255

Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys
 260 265 270

Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser
 275 280 285

Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln
 290 295 300

Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp
 305 310 315 320

Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
 325 330

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<210> 242

<211> 1002

<212> DNA

<213> Homo sapiens

<400> 242

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gacacctgca ggcaagggca ccctggcatc cctgggaacc ccggtcaciaa tggctctgcct 120
ggaagagatg gacgagacgg agcgaagggt gacaaaggcg atgcaggaga accaggacgt 180
cctggcagcc cggggaagga tgggacgagt ggagagaagg gagaacgagg agcagatgga 240
aaagttgaag caaaaggcat caaaggatgat caaggctcaa gaggatcccc aggaaaacat 300
ggccccaagg ggcttgacagg gcccatggga gagaagggcc tccgaggaga gactgggcct 360
caggggcaga aggggaataa ggggtgacgtg ggtccactg gtcctgaggg gccaaggggc 420
aacattgggc ctttgggccc aactgggttta ccgggccccca tgggccctat tggaaagcct 480
ggtcccaaag gagaagctgg acccacgggg cccaggggtg agccaggagt ccagggaata 540
agaggctgga aaggagatcg aggagagaaa gggaaaatcg gtgagactct agtcttgcca 600
aaaagtgctt tcaactgtggg gctcacgggtg ctgagcaagt ttccttcttc agataggccc 660
attaaatttg ataagatcct gtataacgaa ttcaaccatt atgatacagc agcggggaaa 720
ttcacgtgcc acattgctgg ggtctattac ttcacctacc acatcactgt tttctccaga 780
aatgttcagg tgtcttttgg caaaaatgga gtaaaaatac tgcacaccaa agatgcttac 840
atgagctctg aggaccaggc ctctggcggc attgtcctgc agctgaagct cggggatgag 900
gtgtggctgc aggtgacagg aggagagagg ttcaatggct tgtttgctga tgaggacgat 960
gacacaactt tcacagggtt ccttctgttc agcagcccgt ga 1002

<210> 243

<211> 314

<212> PRT

<213> Homo sapiens

<400> 243

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Gln	Asp	Thr	Cys	Arg	Gln	Gly	His	Pro	Gly	Ile	Pro	Gly	Asn	Pro	Gly	1	5	10	15
His	Asn	Gly	Leu	Pro	Gly	Arg	Asp	Gly	Arg	Asp	Gly	Ala	Lys	Gly	Asp	20	25	30	
Lys	Gly	Asp	Ala	Gly	Glu	Pro	Gly	Arg	Pro	Gly	Ser	Pro	Gly	Lys	Asp	35	40	45	
Gly	Thr	Ser	Gly	Glu	Lys	Gly	Glu	Arg	Gly	Ala	Asp	Gly	Lys	Val	Glu	50	55	60	
Ala	Lys	Gly	Ile	Lys	Gly	Asp	Gln	Gly	Ser	Arg	Gly	Ser	Pro	Gly	Lys	65	70	75	80
His	Gly	Pro	Lys	Gly	Leu	Ala	Gly	Pro	Met	Gly	Glu	Lys	Gly	Leu	Arg	85	90	95	
Gly	Glu	Thr	Gly	Pro	Gln	Gly	Gln	Lys	Gly	Asn	Lys	Gly	Asp	Val	Gly	100	105	110	
Pro	Thr	Gly	Pro	Glu	Gly	Pro	Arg	Gly	Asn	Ile	Gly	Pro	Leu	Gly	Pro	115	120	125	
Thr	Gly	Leu	Pro	Gly	Pro	Met	Gly	Pro	Ile	Gly	Lys	Pro	Gly	Pro	Lys	130	135	140	
Gly	Glu	Ala	Gly	Pro	Thr	Gly	Pro	Gln	Gly	Glu	Pro	Gly	Val	Gln	Gly	145	150	155	160
Ile	Arg	Gly	Trp	Lys	Gly	Asp	Arg	Gly	Glu	Lys	Gly	Lys	Ile	Gly	Glu	165	170	175	
Thr	Leu	Val	Leu	Pro	Lys	Ser	Ala	Phe	Thr	Val	Gly	Leu	Thr	Val	Leu	180	185	190	
Ser	Lys	Phe	Pro	Ser	Ser	Asp	Arg	Pro	Ile	Lys	Phe	Asp	Lys	Ile	Leu	195	200	205	
Tyr	Asn	Glu	Phe	Asn	His	Tyr	Asp	Thr	Ala	Ala	Gly	Lys	Phe	Thr	Cys	210	215	220	

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FOE02T-65450001

His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr Val Phe Ser
225 230 235 240

Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys Ile Leu His
245 250 255

Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile
260 265 270

Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln Val Thr Gly
275 280 285

Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr
290 295 300

Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
305 310

<210> 244

<211> 36

<212> PRT

<213> Homo sapiens

<400> 244

Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp
1 5 10 15

Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe
20 25 30

Thr Tyr His Ile
35

<210> 245

<211> 22

<212> PRT

<213> Homo sapiens

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<400> 245

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln Val Thr
20

<210> 246

<211> 20

<212> PRT

<213> Homo sapiens

<400> 246

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln
20

<210> 247

<211> 20

<212> PRT

<213> Homo sapiens

<400> 247

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
1 5 10 15

Val Phe Ser Arg
20

<210> 248

<211> 27

<212> PRT

<213> Homo sapiens

<400> 248

Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn
1 5 10 15

Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
20 25

<210> 249

<211> 27

<212> PRT

<213> Homo sapiens

<400> 249

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro
20 25

<210> 250

<211> 27

<212> PRT

<213> Homo sapiens

<400> 250

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 251

<211> 29

<212> PRT

<213> Homo sapiens

<400> 251

Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 25

<210> 252

<211> 29

<212> PRT

<213> Homo sapiens

<400> 252

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 253

<211> 29

<212> PRT

<213> Homo sapiens

<400> 253

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

20

25

<210> 257

<211> 27

<212> PRT

<213> Homo sapiens

<400> 257

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 258

<211> 29

<212> PRT

<213> Homo sapiens

<400> 258

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 259

<211> 27

<212> PRT

<213> Homo sapiens

<400> 259

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

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Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 260

<211> 29

<212> PRT

<213> Homo sapiens

<400> 260

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 261

<211> 29

<212> PRT

<213> Homo sapiens

<400> 261

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
1 5 10 15

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu
20 25

<210> 262

<211> 29

<212> PRT

<213> Homo sapiens

<400> 262

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 263

<211> 29

<212> PRT

<213> Homo sapiens

<400> 263

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 264

<211> 11

<212> PRT

<213> Homo sapiens

<400> 264

Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe
1 5 10

<210> 265

<211> 27

<212> PRT

<213> Homo sapiens

<400> 265

Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly
1 5 10 15

Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg
20 25

<210> 266

<211> 10

<212> PRT

<213> Homo sapiens

<400> 266

Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
1 5 10

<210> 267

<211> 27

<212> PRT

<213> Homo sapiens

<400> 267

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 268

<211> 27

<212> PRT

<213> Homo sapiens

<400> 268

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly

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1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys
20 25

<210> 269
<211> 27
<212> PRT
<213> Homo sapiens

<400> 269
Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

<210> 270
<211> 29
<212> PRT
<213> Homo sapiens

<400> 270
Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
20 25

<210> 271
<211> 945
<212> DNA
<213> Homo sapiens

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<220>

<221> CDS

<222> (25) .. (945)

<223>

<400> 271

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			Met	Arg	Ile	Trp	Trp	Leu	Leu	Leu	Ala	
			1			5						
att gaa atc tgc aca ggg aac ata aac tca cag gac acc tgc agg caa	99											
Ile Glu Ile Cys Thr Gly Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln												
10 15 20 25												
ggg cac cct ggc atc cct ggg aac ccc ggt cac aat ggt ctg cct gga	147											
Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly												
30 35 40												
aga gat gga cga gac gga gcg aag ggt gac aaa ggc gat gca gga gaa	195											
Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu												
45 50 55												
cca gga cgt cct ggc agc ccg ggg aag gat ggg acg agt gga gag aag	243											
Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys												
60 65 70												
gga gaa cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt	291											
Gly Glu Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly												
75 80 85												
gat caa ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt	339											
Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu												
90 95 100 105												
gca ggg ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag	387											
Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln												
110 115 120												
ggg cag aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg	435											
Gly Gln Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly												
125 130 135												
cca agg ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc	483											
Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro												
140 145 150												
atg ggc cct att gga aag cct ggt ccc aaa gga gaa gct gga ccc acg	531											
Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr												
155 160 165												
ggg ccc cag ggt gag cca gga gtc cag gga ata aga ggc tgg aaa gga	579											
Gly Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys Gly												

170	175	180	185	
gat cga gga gag aaa ggg aaa atc ggt gag act cta gtc ttg cca aaa				627
Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu Thr Leu Val Leu Pro Lys				
190		195	200	
agt gct ttc act gtg ggg ctc acg gtg ctg agc aag ttt cct tct tca				675
Ser Ala Phe Thr Val Gly Leu Thr Val Leu Ser Lys Phe Pro Ser Ser				
205	210		215	
gat agg ccc att aaa ttt gat aag atc cac atc act gtt ttc tcc aga				723
Asp Arg Pro Ile Lys Phe Asp Lys Ile His Ile Thr Val Phe Ser Arg				
220	225		230	
aat gtt cag gtg tct ttg gtc aaa aat gga gta aaa ata ctg cac acc				771
Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys Ile Leu His Thr				
235	240		245	
aaa gat gct tac atg agc tct gag gac cag gcc tct ggc ggc att gtc				819
Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile Val				
250	255	260	265	
ctg cag ctg aag ctc ggg gat gag gtg tgg ctg cag gtg aca gga gga				867
Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln Val Thr Gly Gly				
270	275		280	
gag agg ttc aat ggc ttg ttt gct gat gag gac gat gac aca act ttc				915
Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr Phe				
285	290		295	
aca ggg ttc ctt ctg ttc agc agc ccg tga				945
Thr Gly Phe Leu Leu Phe Ser Ser Pro				
300	305			

<210> 272

<211> 306

<212> PRT

<213> Homo sapiens

<400> 272

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn			
1	5	10	15
Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly			
20	25	30	
Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala			
35	40	45	

10005499-120301

Lys	Gly	Asp	Lys	Gly	Asp	Ala	Gly	Glu	Pro	Gly	Arg	Pro	Gly	Ser	Pro	50	55	60	
Gly	Lys	Asp	Gly	Thr	Ser	Gly	Glu	Lys	Gly	Glu	Arg	Gly	Ala	Asp	Gly	65	70	75	80
Lys	Val	Glu	Ala	Lys	Gly	Ile	Lys	Gly	Asp	Gln	Gly	Ser	Arg	Gly	Ser	85	90	95	
Pro	Gly	Lys	His	Gly	Pro	Lys	Gly	Leu	Ala	Gly	Pro	Met	Gly	Glu	Lys	100	105	110	
Gly	Leu	Arg	Gly	Glu	Thr	Gly	Pro	Gln	Gly	Gln	Lys	Gly	Asn	Lys	Gly	115	120	125	
Asp	Val	Gly	Pro	Thr	Gly	Pro	Glu	Gly	Pro	Arg	Gly	Asn	Ile	Gly	Pro	130	135	140	
Leu	Gly	Pro	Thr	Gly	Leu	Pro	Gly	Pro	Met	Gly	Pro	Ile	Gly	Lys	Pro	145	150	155	160
Gly	Pro	Lys	Gly	Glu	Ala	Gly	Pro	Thr	Gly	Pro	Gln	Gly	Glu	Pro	Gly	165	170	175	
Val	Gln	Gly	Ile	Arg	Gly	Trp	Lys	Gly	Asp	Arg	Gly	Glu	Lys	Gly	Lys	180	185	190	
Ile	Gly	Glu	Thr	Leu	Val	Leu	Pro	Lys	Ser	Ala	Phe	Thr	Val	Gly	Leu	195	200	205	
Thr	Val	Leu	Ser	Lys	Phe	Pro	Ser	Ser	Asp	Arg	Pro	Ile	Lys	Phe	Asp	210	215	220	
Lys	Ile	His	Ile	Thr	Val	Phe	Ser	Arg	Asn	Val	Gln	Val	Ser	Leu	Val	225	230	235	240
Lys	Asn	Gly	Val	Lys	Ile	Leu	His	Thr	Lys	Asp	Ala	Tyr	Met	Ser	Ser	245	250	255	
Glu	Asp	Gln	Ala	Ser	Gly	Gly	Ile	Val	Leu	Gln	Leu	Lys	Leu	Gly	Asp	260	265	270	

Glu Val Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe
275 280 285

Ala Asp Glu Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
290 295 300

Ser Pro
305

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<211> 921

<212> DNA

<213> Homo sapiens

<400> 273
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ggaagagatg gacgagacgg agcgaagggt gacaaaggcg atgcaggaga accaggacgt 180
cctggcagcc cggggaagga tgggacgagt ggagagaagg gagaacgagg agcagatgga 240
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<211> 287

<212> PRT

<213> Homo sapiens

<400> 274

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly Val Gln Gly
145 150 155 160

Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu
165 170 175

Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu Thr Val Leu

10005499-120304
FOE021-6645007

180

185

190

Ser Lys Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp Lys Ile His
195 200 205

Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly
210 215 220

Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln
225 230 235 240

Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp
245 250 255

Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu
260 265 270

Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
275 280 285

<210> 275

<211> 22

<212> PRT

<213> Homo sapiens

<400> 275

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln Val Thr
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<210> 276

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<213> Homo sapiens

FOE02T 6645000T

<400> 276

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln
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<210> 277

<211> 27

<212> PRT

<213> Homo sapiens

<400> 277

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro
20 25

<210> 278

<211> 27

<212> PRT

<213> Homo sapiens

<400> 278

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 279

<211> 29

<212> PRT

<213> Homo sapiens

10005499-120301

<400> 279

Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 25

<210> 280

<211> 29

<212> PRT

<213> Homo sapiens

<400> 280

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 281

<211> 29

<212> PRT

<213> Homo sapiens

<400> 281

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

<210> 282

/

<211> 27

<212> PRT

<213> Homo sapiens

<400> 282

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 283

<211> 27

<212> PRT

<213> Homo sapiens

<400> 283

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly
1 5 10 15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 284

<211> 27

<212> PRT

<213> Homo sapiens

<400> 284

Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly
1 5 10 15

Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys
20 25

<210> 285

10005499-120301

<211> 27

<212> PRT

<213> Homo sapiens

<400> 285

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 286

<211> 29

<212> PRT

<213> Homo sapiens

<400> 286

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 287

<211> 27

<212> PRT

<213> Homo sapiens

<400> 287

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 288

<211> 29

<212> PRT

<213> Homo sapiens

<400> 288

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 289

<211> 29

<212> PRT

<213> Homo sapiens

<400> 289

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
1 5 10 15

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu
20 25

<210> 290

<211> 29

<212> PRT

<213> Homo sapiens

<400> 290

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly/Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 291

<211> 29

<212> PRT

<213> Homo sapiens

<400> 291

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 292

<211> 11

<212> PRT

<213> Homo sapiens

<400> 292

Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe
1 5 10

<210> 293

<211> 27

<212> PRT

<213> Homo sapiens

<400> 293

Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly
1 5 10 15

1000549-120301

Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg
20 25

<210> 294

<211> 10

<212> PRT

<213> Homo sapiens

<400> 294

Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
1 5 10

<210> 295

<211> 27

<212> PRT

<213> Homo sapiens

<400> 295

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 296

<211> 27

<212> PRT

<213> Homo sapiens

<400> 296

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly
1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys

20

25

<210> 297

<211> 27

<212> PRT

<213> Homo sapiens

<400> 297

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
 1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
 20 25

<210> 298

<211> 29

<212> PRT

<213> Homo sapiens

<400> 298

Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
 1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
 20 25

<210> 299

<211> 245

<212> PRT

<213> Homo sapiens

<400> 299

Ala Ser Phe Leu Leu Gln Met Cys Pro Gly Pro Val Gln Ser Leu Ser
 1 5 10 15

Ser Glu Pro Gly Ser Gly Gly Phe Cys Leu Pro Leu Lys Ser Ala Gln
20 25 30

Gly Thr Thr Pro Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro
35 40 45

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
50 55 60

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser
65 70 75 80

Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp
85 90 95

Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Gly Ser
100 105 110

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
115 120 125

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
130 135 140

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
145 150 155 160

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
165 170 175

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
180 185 190

Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
195 200 205

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
210 215 220

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp
225 230 235 240

10005499.120301
"FOEDET" 664500F

Lys Ile His Ile Thr
245

<210> 300
<211> 422
<212> DNA
<213> Homo sapiens

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gtgtactgtg atcttgctgc ttttatccat atgtcagctt tggttcttgt gagtttacct 180
gcttattatg atacttggag tccattcata gtgtggggaa gaatgatttt tgccctgcag 240
gagaaggctc aattgaaata atgctgcttg tcccaaaga aattgtttgc cttgtactct 300
tgtaaacctt agagctagac ctgggaatga ttcaacttca agccttaacc tggaattttc 360
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at 422

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<211> 1848
<212> DNA
<213> Homo sapiens

<220>
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<222> (199)..(1215)

<223>

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aatattttgtc						120
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gagcccagcgc						120
tagggctgtg						120
ctgtccgtag						120
atactcaata						120
ctgattaatg						180
gatggccgtg						180
catgtctgtg						180
tgggagtcgt						180
gtgcttagga						180
tctgctcagc						180
tctccgaaag						231
caacagaa						231
atg						231
gtg						231
tgg						231
gga						231
aga						231
aga						231
aaa						231
tca						231
cag						231
gat						231
tgt						231
Met Val Trp Gly Arg Arg Lys Ser Gln Asp Cys						231
1 5 10						231
gat cca acc atg atc acg gct ttc tgg att gga ctt cat ctt ctg gag						279
Asp Pro Thr Met Ile Thr Ala Phe Trp Ile Gly Leu His Leu Leu Glu						279
15 20 25						279
ggg cca caa ggt cca gtg ctg gca gca aac ctc acc att ttg tcc tcc						327
Gly Pro Gln Gly Pro Val Leu Ala Ala Asn Leu Thr Ile Leu Ser Ser						327
30 35 40						327
aaa agg aag gtg act ttt aag aag caa tcc aga aga ggt ccc cgc cca						375
Lys Arg Lys Val Thr Phe Lys Lys Gln Ser Arg Arg Gly Pro Arg Pro						375
45 50 55						375
acc ttc aaa att ctg tcc aaa agc aga caa gag gat cgc ccc gcg ctg						423
Thr Phe Lys Ile Leu Ser Lys Ser Arg Gln Glu Asp Arg Pro Ala Leu						423
60 65 70 75						423
agc cgg ctg gtg ggc agc agg agg cgc ctg atc gcc gcc ggg gcg ctg						471
Ser Arg Leu Val Gly Ser Arg Arg Arg Leu Ile Ala Ala Gly Ala Leu						471
80 85 90						471
ggg gtg gtg atg gtg ctg ctg ctg gtg atc ctc atc ccg gtg ctg atg						519
Gly Val Val Met Val Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met						519
95 100 105						519
ctg ggc acc tgc cgc atg gtc tgc gac ccc tac ggg ggc acc aag gcg						567
Leu Gly Thr Cys Arg Met Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala						567
110 115 120						567
ccc agc acc gct gcc acg ccc gac cgc ggc ctc atg cag tcc ctg ccc						615
Pro Ser Thr Ala Ala Thr Pro Asp Arg Gly Leu Met Gln Ser Leu Pro						615
125 130 135						615
acc ttc atc cag ggc ccc aaa ggc gag gcc ggc agg ccc ggg aag gcg						663
Thr Phe Ile Gln Gly Pro Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala						663
140 145 150 155						663
ggg cgc ggc ggc ccc ccc gga gag ccc ggg cca ccc ggc ccc atg ggg						711
Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly						711
160 165 170						711

ccc ccg ggc gag aag ggc gag ccg ggc cgc caa ggc ctg ccg ggc ccg Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro 175 180 185	759
ccc ggg gcg ccc ggc ctg aac gcg gcc ggg gcc atc agc gcc gcc acc Pro Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr 190 195 200	807
tac agc acg ggg ccc aag atc gcc ttc tac gcc ggc ctc aag cgg cag Tyr Ser Thr Gly Pro Lys Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln 205 210 215	855
cat gaa ggc tac gag gtg ctc aag ttc gac gac gtg gtc acc aac ctc His Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu 220 225 230 235	903
gga aac cac tac gac ccc acc acc ggc aag ttc acc tgc tcc atc ccg Gly Asn His Tyr Asp Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro 240 245 250	951
ggc atc tac ttc ttc acc tac cac gtc ctg atg cgc gga ggg gac ggc Gly Ile Tyr Phe Phe Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly 255 260 265	999
acc agc atg tgg gct gat ctc tgc aaa aac aac cag gtg cgt gct agt Thr Ser Met Trp Ala Asp Leu Cys Lys Asn Asn Gln Val Arg Ala Ser 270 275 280	1047
gca att gcc caa gat gct gat cag aat tac gac tat gcc agt aac agt Ala Ile Ala Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser 285 290 295	1095
gtg gtt ctt cat ttg gag ccg gga gat gaa gtc tat atc aaa tta gat Val Val Leu His Leu Glu Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp 300 305 310 315	1143
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gga ttt att att tat gct gac tga taatgcagaa actaagctta ttattctgag Gly Phe Ile Ile Tyr Ala Asp 335	1245
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acaaattttt atagacaaat ctaagacatt gaattatttc ttctatatat atgatacttt	1545
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tgcttattat gatacttga gtccattcat agtgtgggga agaattgattt ttgcctgca	1665

ggagaaggtc taattgaaat aatgctgctt gtcccccagg aaattgtttg ccttgctactc 1725
 ttgttaacct tagagctaga cctgggaatg attcaacttc aagccttaac ctggaatttt 1785
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 aat 1848

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 <211> 338
 <212> PRT
 <213> Homo sapiens

<400> 302
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 20 25 30
 Val Leu Ala Ala Asn Leu Thr Ile Leu Ser Ser Lys Arg Lys Val Thr
 35 40 45
 Phe Lys Lys Gln Ser Arg Arg Gly Pro Arg Pro Thr Phe Lys Ile Leu
 50 55 60
 Ser Lys Ser Arg Gln Glu Asp Arg Pro Ala Leu Ser Arg Leu Val Gly
 65 70 75 80
 Ser Arg Arg Arg Leu Ile Ala Ala Gly Ala Leu Gly Val Val Met Val
 85 90 95
 Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr Cys Arg
 100 105 110
 Met Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr Ala Ala
 115 120 125
 Thr Pro Asp Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile Gln Gly
 130 135 140

Pro Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro
145 150 155 160

Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys
165 170 175

Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly
180 185 190

Leu Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr Gly Pro
195 200 205

Lys Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly Tyr Glu
210 215 220

Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp
225 230 235 240

Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe
245 250 255

Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala
260 265 270

Asp Leu Cys Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala Gln Asp
275 280 285

Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu
290 295 300

Glu Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys Ala His
305 310 315 320

Gly Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr
325 330 335

Ala Asp

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<211> 1017

<212> DNA

<213> Homo sapiens

<400> 303

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cgccaaggcc tgccggggcc gcccgggcg cccggcctga acgcggcccg ggccatcagc 600
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gaaggctacg aggtgctcaa gttcgacgac gtggtcacca acctcgaaa ccactacgac 720
cccaccaccg gcaagtccac ctgctccatc ccgggcatct acttcttcac ctaccacgtc 780
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gttcttcatt tggagccggg agatgaagtc tatatcaaat tagatggcgg gaaagcccat 960
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<210> 304

<211> 36

<212> PRT

<213> Homo sapiens

<400> 304

Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp
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Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe
 20 25 30

Thr Tyr His Val
 35

<210> 305

<211> 20

<212> PRT

<213> Homo sapiens

<400> 305

Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr Tyr His Val Leu
 1 5 10 15

Met Arg Gly Gly
 20

<210> 306

<211> 22

<212> PRT

<213> Homo sapiens

<400> 306

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
 1 5 10 15

Val Tyr Ile Lys Leu Asp
 20

<210> 307

<211> 27

<212> PRT

<213> Homo sapiens

100549-13031
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<211> 20

<213> Homo sapiens

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

<210> 309

<211> 27

<212> PRT

<213> Homo sapiens

Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly
1 5 10 15

<210> 310

<211> : 27

<212> PRT

<213> Homo sapiens

<400> 310

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys
20 25

<210> 311

<211> 27

<212> PRT

<213> Homo sapiens

<400> 311

Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly
1 5 10 15

Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro
20 25

<210> 312

<211> 29

<212> PRT

<213> Homo sapiens

<400> 312

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu
20 25

<210> 313

<211> 27

<212> PRT

<213> Homo sapiens

<400> 313

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
1 5 10 15

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro
20 25

<210> 314

<211> 27

<212> PRT

<213> Homo sapiens

<400> 314

Gln His Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn
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Leu Gly Asn His Tyr Asp Pro Thr Thr Gly Lys
20 25

<210> 315

<211> 27

<212> PRT

<213> Homo sapiens

<400> 315

Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu Asn
20 25

<210> 316
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 316

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly
 1 5 10 15

Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln
 20 25

<210> 317
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 317

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
 1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu
 20 25

<210> 318
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 318

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
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1000549-10001
FOE02T=6645000T

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu
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<210> 319

<211> 44

<212> PRT

<213> Homo sapiens

<400> 319

Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro
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Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25 30

Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser
35 40

<210> 320

<211> 27

<212> PRT

<213> Homo sapiens

<400> 320

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro
20 25

<210> 321

<211> 29

<212> PRT

<213> Homo sapiens

<400> 321

Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile
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<210> 322

<211> 1528

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (161) .. (895)

<223>

<400> 322

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caggaggcgc ctgatcgccg ccggggcgct ggggggtggtg atg gtg ctg ctg ctg 175
Met Val Leu Leu Leu
1 5

gtg atc ctc atc ccg gtg ctg atg ctg ggc acc tgc cgc atg gtc tgc 223
Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr Cys Arg Met Val Cys
10 15 20

gac ccc tac ggg ggc acc aag gcg ccc agc acc gct gcc acg ccc gac 271
Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr Ala Ala Thr Pro Asp
25 30 35

cgc ggc ctc atg cag tcc ctg ccc acc ttc atc cag ggc ccc aaa ggc 319
Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile Gln Gly Pro Lys Gly
40 45 50

gag gcg ggc agg ccc ggg aag gcg ggt ccg cgc ggg ccc ccc gga gag 367
Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu
55 60 65

ccc ggg cca ccc ggc ccc atg ggg ccc ccg ggc gag aag ggc gag ccg 415

Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro	
70 75 80 85	
ggc cgc caa ggc ctg ccg ggc ccg ccc ggg gcg ccc ggc ctg aac gcg	463
Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu Asn Ala	
90 95 100	
gcc ggg gcc atc agc gcc gcc acc tac agc acg ggg ccc aag atc gcc	511
Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr Gly Pro Lys Ile Ala	
105 110 115	
ttc tac gcc ggc ctc aag cgg cag cat gaa ggc tac gag gtg ctc aag	559
Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly Tyr Glu Val Leu Lys	
120 125 130	
ttc gac gac gtg gtc acc aac ctc gga aac cac tac gac ccc acc acc	607
Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp Pro Thr Thr	
135 140 145	
ggc aag ttc acc tgc tcc atc ccg ggc atc tac ttc ttc acc tac cac	655
Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr Tyr His	
150 155 160 165	
gtc ctg atg cgc gga ggg gac ggc acc agc atg tgg gct gat ctc tgc	703
Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Cys	
170 175 180	
aaa aac aac cag gtg cgt gct agt gca att gcc caa gat gct gat cag	751
Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln	
185 190 195	
aat tac gac tat gcc agt aac agt gtg gtt ctt cat ttg gag ccg gga	799
Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly	
200 205 210	
gat gaa gtc tat atc aaa tta gat ggc ggg aaa gcc cat gga gga aac	847
Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys Ala His Gly Gly Asn	
215 220 225	
aac aac aaa tac agc acg ttt tct gga ttt att att tat gct gac tga	895
Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Ala Asp	
230 235 240	
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agtgaatcaa ggatcccagg ggatgccaat ggcagggcac ctgagttgtg tatatgtggg	1015
gaaatcaaat gctacctgac tcacatctgt atcactcaga aacattatgt aaaaaatatc	1075
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gaattatttc ttctatatat atgatacttt ggtgtactgt gatcttgctg cttttatcca	1255
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<211> 244
<212> PRT
<213> Homo sapiens

<400> 323
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Cys Arg Met Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr
20 25 30
Ala Ala Thr Pro Asp Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile
35 40 45
Gln Gly Pro Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg
50 55 60
Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly
65 70 75 80
Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala
85 90 95
Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr
100 105 110
Gly Pro Lys Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly
115 120 125
Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His
130 135 140

10005499-120301

Tyr Asp Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr
145 150 155 160

Phe Phe Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met
165 170 175

Trp Ala Asp Leu Cys Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala
180 185 190

Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu
195 200 205

His Leu Glu Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys
210 215 220

Ala His Gly Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile
225 230 235 240

Ile Tyr Ala Asp

<210> 324

<211> 735

<212> DNA

<213> Homo sapiens

<400> 324

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atgcagtccc tgcccacctt catccagggc cccaaaggcg aggccggcag gcccgggaag	180
gcgggtccgc gcggggcccc cgagagccc gggccaccg gcccctggg gccccgggc	240
gagaagggcg agccggggccg ccaaggcctg ccggggccgc ccggggcgcc cggcctgaac	300
gcggccgggg ccatcagcgc cgccacctac agcacggggc ccaagatcgc cttctacgcc	360
ggcctcaagc ggcagcatga aggctacgag gtgctcaagt tcgacgacgt ggtcaccaac	420
ctcgaaacc actacgaccc caccaccggc aagttcacct gctccatccc gggcatctac	480
ttcttcacct accacgtcct gatgcgcgga ggggacggca ccagcatgtg ggctgatctc	540

tgcaaaaaca accaggtgcg tgctagtgc attgccaag atgctgatca gaattacgac 600
 tatgccagta acagtgtggt tcttcatttg gagccgggag atgaagtcta tatcaaatta 660
 gatggcgggga aagcccatgg aggaaacaac aacaaatata gcacgttttc tggatttatt 720
 atttatgctg actga 735

<210> 325
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 325
 Met Val Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr
 1 5 10 15
 Cys Arg Met

<210> 326
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 326
 Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr Ala Ala Thr
 1 5 10 15
 Pro Asp Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile Gln Gly Pro
 20 25 30
 Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro
 35 40 45
 Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly
 50 55 60

Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu
 65 70 75 80

Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr Gly Pro Lys
 85 90 95

Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly Tyr Glu Val
 100 105 110

Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp Pro
 115 120 125

Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr
 130 135 140

Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp
 145 150 155 160

Leu Cys Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala
 165 170 175

Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu
 180 185 190

Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys Ala His Gly
 195 200 205

Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Ala
 210 215 220

Asp
 225

<210> 327

<211> 36

<212> PRT

<213> Homo sapiens

<400> 327

Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp

1005493
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1 5 10 15
Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe
 20 25 30

Thr Tyr His Val
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<210> 328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 328
Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr Tyr His Val Leu
1 5 10 15

Met Arg Gly Gly
 20

<210> 329
<211> 22
<212> PRT
<213> Homo sapiens

<400> 329
Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

Val Tyr Ile Lys Leu Asp
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<210> 330
<211> 27
<212> PRT

10005499-1203001
TDE02T 6645000T

<213> Homo sapiens

<400> 330

Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly
1 5 10 15

Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25

<210> 331

<211> 20

<212> PRT

<213> Homo sapiens

<400> 331

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

Val Tyr Ile Lys
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<210> 332

<211> 27

<212> PRT

<213> Homo sapiens

<400> 332

Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly
1 5 10 15

Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro
20 25

<210> 333

<211> 27

<212> PRT

<213> Homo sapiens

<400> 333

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys
20 25

<210> 334

<211> 27

<212> PRT

<213> Homo sapiens

<400> 334

Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly
1 5 10 15

Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro
20 25

<210> 335

<211> 29

<212> PRT

<213> Homo sapiens

<400> 335

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu
20 25

<210> 336
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 336
 Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
 1 5 10 15
 Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro
 20 25

<210> 337
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 337
 Gln His Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn
 1 5 10 15
 Leu Gly Asn His Tyr Asp Pro Thr Thr Gly Lys
 20 25

<210> 338
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 338
 Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly
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 Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu Asn

10005499-120301

20

25

<210> 339

<211> 27

<212> PRT

<213> Homo sapiens

<400> 339

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly
1 5 10 15

Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln
20 25

<210> 340

<211> 29

<212> PRT

<213> Homo sapiens

<400> 340

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu
20 25

<210> 341

<211> 29

<212> PRT

<213> Homo sapiens

<400> 341

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
1 5 10 15

10005499.120301

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu
20 25

<210> 342

<211> 44

<212> PRT

<213> Homo sapiens

<400> 342

Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro
1 5 10 15

Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25 30

Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser
35 40

<210> 343

<211> 27

<212> PRT

<213> Homo sapiens

<400> 343

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro
20 25

<210> 344

<211> 29

<212> PRT

<213> Homo sapiens

<400> 344

Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile
20 25

<210> 345

<211> 452

<212> DNA

<213> Homo sapiens

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<223> n = A, T, G, or C

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gccagctgc ataccgctgg gtacaggaga gagttcctgg aataccaccg ccctccagga	180
gctttgcata cctgcggggg ccggggggca ttccacctca tcgtgcacct gaaggcgga	240
gatgcagtca acgtcgtggt gactgggggc aagctggctc acacagactt tgatgaaatg	300
tactccacat ttagtggggg tttcttatat cctttccttt cccacctcta aggtggctgg	360
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<210> 346

<211> 3122

<212> DNA

<213> Homo sapiens

<400> 346

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ttccctcgct gttgaggcca ccatgcctta ctgcatccag ccaggctgca gggagtgagg 720
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gc	3122

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<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1) .. (1542)

<223>

<400> 347

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ggg acc gca gtt cct cct gct cca cag gtt ctg agg acg tgg aga ttt	96
Gly Thr Ala Val Pro Pro Ala Pro Gln Val Leu Arg Thr Trp Arg Phe	
20 25 30	
ggc act gag cgg gga tct gtg tgc tcc tct gtt gag ggg gag acc aac	144
Gly Thr Glu Arg Gly Ser Val Cys Ser Ser Val Glu Gly Glu Thr Asn	
35 40 45	
tgt ttc ttc gaa aaa gcc cct tta tct aag ctc acc ccg ggc cca ttt	192
Cys Phe Phe Glu Lys Ala Pro Leu Ser Lys Leu Thr Pro Gly Pro Phe	
50 55 60	
agc acc aca agc gac agt ttc tct gaa ttt tct gat gag tcc agc att	240
Ser Thr Thr Ser Asp Ser Phe Ser Glu Phe Ser Asp Glu Ser Ser Ile	
65 70 75 80	
tct cat gct tca gtc cgt gat ggg agt ttt aaa aca aaa cta gac ggc	288
Ser His Ala Ser Val Arg Asp Gly Ser Phe Lys Thr Lys Leu Asp Gly	
85 90 95	
agg tcg gga ggc agc cgc cga ttt ttg tcg ggt cct aaa caa aaa tca	336
Arg Ser Gly Gly Ser Arg Arg Phe Leu Ser Gly Pro Lys Gln Lys Ser	
100 105 110	
aat gtg ttg cgc ttt gga act ctg ggc atc gtg ggc acc agg ctg acg	384
Asn Val Leu Arg Phe Gly Thr Leu Gly Ile Val Gly Thr Arg Leu Thr	
115 120 125	
ggg gcg gcg ggg atg gcg ttt ctt ggc gag cgg gtc cct cag cca ggc	432
Gly Ala Ala Gly Met Ala Phe Leu Gly Glu Arg Val Pro Gln Pro Gly	
130 135 140	
ccg ggt att gtc agg cgt ccc gtg gac ggt cgg gag ggg ctt cct gga	480
Pro Gly Ile Val Arg Arg Pro Val Asp Gly Arg Glu Gly Leu Pro Gly	

145	150	155	160	
ggg ctc gtt ccg gga acg agt tca aag gag gaa agg gcg gca gct tcc				528
Gly Leu Val Pro Gly Thr Ser Ser Lys Glu Glu Arg Ala Ala Ala Ser				
165	170	175		
ggc gcc ttc ccc aga ggg ccg gga gac gca cgc cag gag ctt cct ccg				576
Gly Ala Phe Pro Arg Gly Pro Gly Asp Ala Arg Gln Glu Leu Pro Pro				
180	185	190		
ttg gaa gtc cct tcc gct ggc gac gtg ggc gct gtg gcc gcg gcc ctc				624
Leu Glu Val Pro Ser Ala Gly Asp Val Gly Ala Val Ala Ala Ala Leu				
195	200	205		
gtg gag cct gag ccc tcc tca cgg cct ccg cgc agc cct ggg gcc ccc				672
Val Glu Pro Glu Pro Ser Ser Arg Pro Pro Arg Ser Pro Gly Ala Pro				
210	215	220		
cgg cag ggt ccc tcg gca gcc cgc ggg aga ggc cgt ggg gcc ccg gca				720
Arg Gln Gly Pro Ser Ala Ala Arg Gly Arg Gly Arg Gly Ala Pro Ala				
225	230	235	240	
gga gtg tgg ttc aga gac gag gcg ccc tcg ccc ccg ccg ccc gca gag				768
Gly Val Trp Phe Arg Asp Glu Ala Pro Ser Pro Pro Pro Pro Ala Glu				
245	250	255		
gcc ccg aag gag ccg ctg cag ccc gag ccc gcc ccg ccg agg ccc agc				816
Ala Pro Lys Glu Pro Leu Gln Pro Glu Pro Ala Pro Pro Arg Pro Ser				
260	265	270		
ggc ccc gca acc gca gag gac cct ggg cga cgg ccc gtc ctg ccc cag				864
Gly Pro Ala Thr Ala Glu Asp Pro Gly Arg Arg Pro Val Leu Pro Gln				
275	280	285		
cgg ccc ccc gag gag agg ccg ccc cag ccg cca ggc tcc acc ggg gtc				912
Arg Pro Pro Glu Glu Arg Pro Pro Gln Pro Pro Gly Ser Thr Gly Val				
290	295	300		
atc gcg gag acg ggc cag gcc ggg ccc ccc gca ggc gca ggc gtg tct				960
Ile Ala Glu Thr Gly Gln Ala Gly Pro Pro Ala Gly Ala Gly Val Ser				
305	310	315	320	
ggg cgg ggt ctg ccg cgg ggc gtg gac ggc cag acc ggg agc ggc acc				1008
Gly Arg Gly Leu Pro Arg Gly Val Asp Gly Gln Thr Gly Ser Gly Thr				
325	330	335		
gtc ccc ggc gca gaa ggc ttc gcg ggc gca cca gga tac ccg aag tca				1056
Val Pro Gly Ala Glu Gly Phe Ala Gly Ala Pro Gly Tyr Pro Lys Ser				
340	345	350		
cct cct gta gct tcc cca gga gct ccg gtg cct tct ctg gtg tct ttt				1104
Pro Pro Val Ala Ser Pro Gly Ala Pro Val Pro Ser Leu Val Ser Phe				
355	360	365		
tct gcg ggg ctc acc cag aag cct ttc ccc agt gat ggg ggc gtt gtc				1152
Ser Ala Gly Leu Thr Gln Lys Pro Phe Pro Ser Asp Gly Gly Val Val				
370	375	380		

ctc ttt aac aaa gtg ctg gtg aac gac ggg gat gtt tac aac ccc agc	1200
Leu Phe Asn Lys Val Leu Val Asn Asp Gly Asp Val Tyr Asn Pro Ser	
385 390 395 400	
acc ggg gtc ttc acg gct cct tat gat ggg cgc tac ctg atc acg gcc	1248
Thr Gly Val Phe Thr Ala Pro Tyr Asp Gly Arg Tyr Leu Ile Thr Ala	
405 410 415	
acc ctc acc ccc gag aga gac gcc tac gtg gaa gca gtg ctg tcg gtc	1296
Thr Leu Thr Pro Glu Arg Asp Ala Tyr Val Glu Ala Val Leu Ser Val	
420 425 430	
tcc aac gcc agc gtg gcc cag ctg cat acc gct ggg tac agg aga gag	1344
Ser Asn Ala Ser Val Ala Gln Leu His Thr Ala Gly Tyr Arg Arg Glu	
435 440 445	
ttc ctg gaa tac cac cgc cct aca gga gct ttg cat acc tgc ggg ggc	1392
Phe Leu Glu Tyr His Arg Pro Thr Gly Ala Leu His Thr Cys Gly Gly	
450 455 460	
ccg ggg gca ttc cac ctc atc gtg cac ctg aag gcg gga gat gca gtc	1440
Pro Gly Ala Phe His Leu Ile Val His Leu Lys Ala Gly Asp Ala Val	
465 470 475 480	
aac gtc gtg gtg act ggg ggc aag ctg gct cac aca gac ttt gat gaa	1488
Asn Val Val Val Thr Gly Gly Lys Leu Ala His Thr Asp Phe Asp Glu	
485 490 495	
atg tac tcc aca ttt agt ggg gtt ttc tta tat cct ttc ctt tcc cac	1536
Met Tyr Ser Thr Phe Ser Gly Val Phe Leu Tyr Pro Phe Leu Ser His	
500 505 510	
ctc taa ggtggctggg gagatgtcag gggaaagata gatagttgta aaaactctaa	1592
Leu	
agctttaata tattcggttt gtatgtaatg gaagcacggg gctagagttt ccacataggc	1652
cccaacataa aggccttccc tcgctgttga ggccaccatg ccttactgca tccagccagg	1712
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caactggaag acttggaag gcctccacct gtatctacac tctgagggcc ctggactggg	1832
cctgagcttg ccacagaggc tccgtctgac tgtgggctgg gaggaggag gcaggggaga	1892
gccggtcacg gtggctggtc tttactgcag ggcagcactg tggccagctg tctgtcttta	1952
cactgcatgc agaagttaa aactgaagt gccgaagtgg cccgtgccgc cgcacagaga	2012
ccccgacttt agtttgggt gttgcacgct tggtcacca ttgccacctg ggacttaacc	2072
tgctcaggcg ggccttcgcc cagctgcaaa tagggatgcg ttagagactg ttcccaaagc	2132
ttgttgggct ccttaaattgg catgtacaat ttaagtgcaa agacaggag tgtcaataaa	2192

gatggaaagc caaaaaaaaa aaaa

2216

<210> 348

<211> 513

<212> PRT

<213> Homo sapiens

<400> 348

Met Glu Gly Asp Ala Gln Leu Ala Val Glu Gly Val Ser Ile Gly Pro
1 5 10 15

Gly Thr Ala Val Pro Pro Ala Pro Gln Val Leu Arg Thr Trp Arg Phe
20 25 30

Gly Thr Glu Arg Gly Ser Val Cys Ser Ser Val Glu Gly Glu Thr Asn
35 40 45

Cys Phe Phe Glu Lys Ala Pro Leu Ser Lys Leu Thr Pro Gly Pro Phe
50 55 60

Ser Thr Thr Ser Asp Ser Phe Ser Glu Phe Ser Asp Glu Ser Ser Ile
65 70 75 80

Ser His Ala Ser Val Arg Asp Gly Ser Phe Lys Thr Lys Leu Asp Gly
85 90 95

Arg Ser Gly Gly Ser Arg Arg Phe Leu Ser Gly Pro Lys Gln Lys Ser
100 105 110

Asn Val Leu Arg Phe Gly Thr Leu Gly Ile Val Gly Thr Arg Leu Thr
115 120 125

Gly Ala Ala Gly Met Ala Phe Leu Gly Glu Arg Val Pro Gln Pro Gly
130 135 140

Pro Gly Ile Val Arg Arg Pro Val Asp Gly Arg Glu Gly Leu Pro Gly
145 150 155 160

Gly Leu Val Pro Gly Thr Ser Ser Lys Glu Glu Arg Ala Ala Ala Ser
165 170 175

Gly Ala Phe Pro Arg Gly Pro Gly Asp Ala Arg Gln Glu Leu Pro Pro
180 185 190

Leu Glu Val Pro Ser Ala Gly Asp Val Gly Ala Val Ala Ala Ala Leu
195 200 205

Val Glu Pro Glu Pro Ser Ser Arg Pro Pro Arg Ser Pro Gly Ala Pro
210 215 220

Arg Gln Gly Pro Ser Ala Ala Arg Gly Arg Gly Arg Gly Ala Pro Ala
225 230 235 240

Gly Val Trp Phe Arg Asp Glu Ala Pro Ser Pro Pro Pro Pro Ala Glu
245 250 255

Ala Pro Lys Glu Pro Leu Gln Pro Glu Pro Ala Pro Pro Arg Pro Ser
260 265 270

Gly Pro Ala Thr Ala Glu Asp Pro Gly Arg Arg Pro Val Leu Pro Gln
275 280 285

Arg Pro Pro Glu Glu Arg Pro Pro Gln Pro Pro Gly Ser Thr Gly Val
290 295 300

Ile Ala Glu Thr Gly Gln Ala Gly Pro Pro Ala Gly Ala Gly Val Ser
305 310 315 320

Gly Arg Gly Leu Pro Arg Gly Val Asp Gly Gln Thr Gly Ser Gly Thr
325 330 335

Val Pro Gly Ala Glu Gly Phe Ala Gly Ala Pro Gly Tyr Pro Lys Ser
340 345 350

Pro Pro Val Ala Ser Pro Gly Ala Pro Val Pro Ser Leu Val Ser Phe
355 360 365

Ser Ala Gly Leu Thr Gln Lys Pro Phe Pro Ser Asp Gly Gly Val Val
370 375 380

Leu Phe Asn Lys Val Leu Val Asn Asp Gly Asp Val Tyr Asn Pro Ser
385 390 395 400

10005499-100301

Thr Gly Val Phe Thr Ala Pro Tyr Asp Gly Arg Tyr Leu Ile Thr Ala
405 410 415

Thr Leu Thr Pro Glu Arg Asp Ala Tyr Val Glu Ala Val Leu Ser Val
420 425 430

Ser Asn Ala Ser Val Ala Gln Leu His Thr Ala Gly Tyr Arg Arg Glu
435 440 445

Phe Leu Glu Tyr His Arg Pro Thr Gly Ala Leu His Thr Cys Gly Gly
450 455 460

Pro Gly Ala Phe His Leu Ile Val His Leu Lys Ala Gly Asp Ala Val
465 470 475 480

Asn Val Val Val Thr Gly Gly Lys Leu Ala His Thr Asp Phe Asp Glu
485 490 495

Met Tyr Ser Thr Phe Ser Gly Val Phe Leu Tyr Pro Phe Leu Ser His
500 505 510

Leu

<210> 349

<211> 1542

<212> DNA

<213> Homo sapiens

<400> 349

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cctcctgctc cacaggttct gaggacgtgg agatttggca ctgagcgggg atctgtgtgc	120
tcctctgttg agggggagac caactgtttc ttcgaaaaag ccctttatc taagctcacc	180
cggggcccat ttagcaccac aagcgacagt ttctctgaat tttctgatga gtccagcatt	240
tctcatgctt cagtccgtga tgggagtttt aaaacaaaac tagacggcag gtcgggaggc	300
agccgccgat ttttgtcggg tcctaaacaa aaatcaaata tgttgcgctt tggaactctg	360
ggcatcgtgg gcaccaggct gacgggggag gcggggatgg cgtttcttgg cgagcggggtc	420

cctcagccag gcccggtat tgtcaggcgt cccgtggaag gtcgggaggg gcttcctgga 480
 gggctcgttc cgggaacgag ttcaaaggag gaaagggcgg cagcttcagg cgccttcccc 540
 agagggccgg gagacgcacg ccaggagctt cctccgttgg aagtccttc cgtggtgac 600
 gtgggctgtg tggcgcgggc cctcgtggag cctgagccct cctcacggcc tccgcgcagc 660
 cctggggccc cccggcaggg tccctcggca gcccgcgga gaggcgtgg gggcccgga 720
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 ccgctgcagc ccgagccgc cccgcccagg cccagcggcc ccgcaaccgc agaggacct 840
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 accggggtct tcacggctcc ttatgatggg cgctacctga tcacggccac cctaccccc 1260
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 cataccgtg ggtacaggag agagttcctg gaataccacc gccctacagg agctttgcat 1380
 acctgcgggg gcccgggggc attccacctc atcgtgcacc tgaaggcggg agatgcagtc 1440
 aacgtcgtgg tgactggggg caagctggct cacacagact ttgatgaaat gtactccaca 1500
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<210> 350

<211> 36

<212> PRT

<213> Homo sapiens

<400> 350

Val Val Leu Phe Asn Lys Val Leu Val Asn Asp Gly Asp Val Tyr Asn
 1 5 10 15

Pro Ser Thr Gly Val Phe Thr Ala Pro Tyr Asp Gly Arg Tyr Leu Ile

1000549 120304
TDE02T 664500T

20

25

30

Thr Ala Thr Leu
35

<210> 351

<211> 27

<212> PRT

<213> Homo sapiens

<400> 351

Phe Pro Ser Asp Gly Gly Val Val Leu Phe Asn Lys Val Leu Val Asn
1 5 10 15

Asp Gly Asp Val Tyr Asn Pro Ser Thr Gly Val
20 25

<210> 352

<211> 171

<212> PRT

<213> Homo sapiens

<400> 352

Glu Thr Ser Leu Glu Arg Glu Arg Leu Ser Phe Cys Thr Gly Ser Arg
1 5 10 15

Thr Thr Arg Ser Ala Glu Leu Lys Ala Val Gly Phe Glu Ala Ala Leu
20 25 30

Gln Glu Val Ile Thr Pro Glu Val Val Pro Ala Ser Gln Ser Glu Ala
35 40 45

Tyr Gln Thr Leu Arg Gln Asn Gln Ala Gln Val His Asn Phe Phe Phe
50 55 60

Phe Trp Gly Gly Asp Ser Pro Thr Leu Ser Pro Arg Leu Glu Cys Ser
65 70 75 80

10005499-120301
TOEOT "6645000T

Ser Ala Ile Ser Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser Asn
85 90 95

Ser Pro Thr Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Ala Cys Arg
100 105 110

His Ala Arg Leu Ile Phe Cys Ile Leu Val Glu Met Gly Phe His Arg
115 120 125

Val Ala Gln Ala Gly Arg Glu Leu Leu Ser Ser Ala Asn Pro Pro Thr
130 135 140

Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser His His Ala Gln
145 150 155 160

Pro Ser Ser Gln Leu Leu Ile Ser Ser Cys Cys
165 170

<210> 353

<211> 418

<212> DNA

<213> Homo sapiens

<400> 353

gaattcttcg tcgacgattc cgtgtccact gggaggaggg agcaggcccg acgtctgccc	60
cgtccccggt ggggtgcgggg gcgtcaggtg ggcaaaaccc cagcgagggg aagctccagg	120
atcgttgcag tgccatttct aggtccctcc tcctctcccc acttcccttt tctctgcacc	180
catttgacag gaggctctgc aatcatctgc ttattgcgcy tcaccgtcat ccagtgggag	240
agccttggtg taccaccttt ctccacctat ggctgcggcc cgcaggaaga tgacgggttg	300
ctcttctgct ctggagccat ccctgttgcc ggtaactgca acccgcaaga tgatgccaga	360
gctcagcttc cctcttttta tgttgcaaag tatatgctgc cctgcactga gcagaccc	418

<210> 354

<211> 1613

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (683)..(1564)

<223>

<400> 354
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gagcgcaaaa cctactagga gatcgcgccc ggtgagcagc acccgagct cagagcccgg 180
gacgtccgga gcgcggggag cagtcccctc tccatcaggg agtggcttat ctgggcagtc 240
tgggacccag gcaccgcgcc atccctgaga gagcagcagt ctggagagca ggcattctcag 300
atccctaaga aaccagccgt ccgagaagcc gcggatctca ggtgcccagg atcgtttaga 360
ctgaacggga gggactacta ggaccactgg ctctggaccg tcgggagctg cccctgacgt 420
aaccacagag gggcctcccc ttgacggacg gcttggggag cggcaccgcc ggcctggagc 480
ccgcagaggc agggtaaggg gagcgggggg cagccgtcgg gggagtgcag acccaggccc 540
aaggcgggtc accgctcctg gcccgcgag agccccggcc ccggcagcca ttgcgccc aa 600
gagtgaggaa gatttgctgg ccctggcagc gtcgcggctg agccggcgca agagggtggc 660
gggcgcggcc gtcggagtgg cc atg gtg ctg ctg ctg ctg gtg gcc atc ccg 712
Met Val Leu Leu Leu Leu Val Ala Ile Pro
1 5 10
ctg ctg gtg cac agc tcc cgc ggg cca gcg cac tac gag atg ctg ggt 760
Leu Leu Val His Ser Ser Arg Gly Pro Ala His Tyr Glu Met Leu Gly
15 20 25
cgc tgc cgc atg gtg tgc gac ccg cat ggg ccc cgt ggc cct ggt ccc 808
Arg Cys Arg Met Val Cys Asp Pro His Gly Pro Arg Gly Pro Gly Pro
30 35 40
gac ggc gcg cct gct tcc gtg ccc ccc ttc ccg cca ggc gcc aag gga 856
Asp Gly Ala Pro Ala Ser Val Pro Pro Phe Pro Pro Gly Ala Lys Gly
45 50 55
gag gtg ggc cgg cgc ggg aaa gca ggc ctg cgg ggg ccc cct/gga cca 904
Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro
60 65 70

cca	ggt	cca	aga	ggg	ccc	cca	gga	gaa	ccc	ggc	agg	cca	ggc	ccc	ccg	952
Pro	Gly	Pro	Arg	Gly	Pro	Pro	Gly	Glu	Pro	Gly	Arg	Pro	Gly	Pro	Pro	
75					80					85					90	
ggc	cct	ccc	ggt	cca	ggt	ccg	ggc	ggg	gtg	gcg	ccc	gct	gcc	ggc	tac	1000
Gly	Pro	Pro	Gly	Pro	Gly	Pro	Gly	Gly	Val	Ala	Pro	Ala	Ala	Gly	Tyr	
				95					100					105		
gtg	cct	cg	att	gct	ttc	tac	gcg	ggc	ctg	cgg	cgg	ccc	cac	gag	ggt	1048
Val	Pro	Arg	Ile	Ala	Phe	Tyr	Ala	Gly	Leu	Arg	Arg	Pro	His	Glu	Gly	
			110					115					120			
tac	gag	gtg	ctg	cg	ttc	gac	gac	gtg	gtg	acc	aac	gtg	ggc	aac	gcc	1096
Tyr	Glu	Val	Leu	Arg	Phe	Asp	Asp	Val	Val	Thr	Asn	Val	Gly	Asn	Ala	
			125				130					135				
tac	gag	gca	gcc	agc	ggc	aag	ttt	act	tgc	ccc	atg	cca	ggc	gtc	tac	1144
Tyr	Glu	Ala	Ala	Ser	Gly	Lys	Phe	Thr	Cys	Pro	Met	Pro	Gly	Val	Tyr	
	140					145					150					
ttc	ttc	gct	tac	cac	gtg	ctc	atg	cg	ggc	ggc	gac	ggc	acc	agc	atg	1192
Phe	Phe	Ala	Tyr	His	Val	Leu	Met	Arg	Gly	Gly	Asp	Gly	Thr	Ser	Met	
155					160					165					170	
tgg	gcc	gac	ctc	atg	aag	aac	gga	cag	ggc	tgg	ggg	cct	aga	acg	gcc	1240
Trp	Ala	Asp	Leu	Met	Lys	Asn	Gly	Gln	Gly	Trp	Gly	Pro	Arg	Thr	Ala	
				175					180					185		
ttg	ccc	tca	gca	gag	tct	gtg	gct	tgg	cag	ctc	aag	ggc	cag	cca	gga	1288
Leu	Pro	Ser	Ala	Glu	Ser	Val	Ala	Trp	Gln	Leu	Lys	Gly	Gln	Pro	Gly	
			190					195					200			
gcc	tct	gca	atc	atc	tgc	tta	ttg	cg	gtc	acc	gtc	atc	cag	tgg	gag	1336
Ala	Ser	Ala	Ile	Ile	Cys	Leu	Leu	Arg	Val	Thr	Val	Ile	Gln	Trp	Glu	
		205					210					215				
agc	ctt	gtg	gta	cca	cct	ttc	tcc	acc	tat	ggc	tgc	ggc	ccg	cag	gaa	1384
Ser	Leu	Val	Val	Pro	Pro	Phe	Ser	Thr	Tyr	Gly	Cys	Gly	Pro	Gln	Glu	
	220					225					230					
gat	gac	ggg	ttg	cg	ttc	tgc	tct	gga	gcc	agc	cct	gtt	gcc	ggg	aac	1432
Asp	Asp	Gly	Leu	Arg	Phe	Cys	Ser	Gly	Ala	Ser	Pro	Val	Ala	Gly	Asn	
235					240					245					250	
tgc	aac	ccg	caa	gat	gat	gcc	aga	gct	cag	ctt	ccc	tct	ttt	tat	gtt	1480
Cys	Asn	Pro	Gln	Asp	Asp	Ala	Arg	Ala	Gln	Leu	Pro	Ser	Phe	Tyr	Val	
				255					260					265		
gca	gag	ttt	atg	ctg	ccc	tgc	act	gag	cag	acg	ctt	tgc	ctt	acg	cag	1528
Ala	Glu	Phe	Met	Leu	Pro	Cys	Thr	Glu	Gln	Thr	Leu	Ser	Leu	Thr	Gln	

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1613

<210> 355

<211> 293

<212> PRT

<213> Homo sapiens

<400> 355

Met Val Leu Leu Leu Leu Val Ala Ile Pro Leu Leu Val His Ser Ser
1 5 10 15

Arg Gly Pro Ala His Tyr Glu Met Leu Gly Arg Cys Arg Met Val Cys
20 25 30

Asp Pro His Gly Pro Arg Gly Pro Gly Pro Asp Gly Ala Pro Ala Ser
35 40 45

Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly
50 55 60

Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
65 70 75 80

Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
85 90 95

Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala Phe
100 105 110

Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg Phe
115 120 125

Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly
130 135 140

Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val
145 150 155 160

Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met Lys
165 170 175

Asn Gly Gln Gly Trp Gly Pro Arg Thr Ala Leu Pro Ser Ala Glu Ser
180 185 190

Val Ala Trp Gln Leu Lys Gly Gln Pro Gly Ala Ser Ala Ile Ile Cys
195 200 205

Leu Leu Arg Val Thr Val Ile Gln Trp Glu Ser Leu Val Val Pro Pro
210 215 220

Phe Ser Thr Tyr Gly Cys Gly Pro Gln Glu Asp Asp Gly Leu Arg Phe
225 230 235 240

Cys Ser Gly Ala Ser Pro Val Ala Gly Asn Cys Asn Pro Gln Asp Asp
245 250 255

Ala Arg Ala Gln Leu Pro Ser Phe Tyr Val Ala Glu Phe Met Leu Pro
260 265 270

Cys Thr Glu Gln Thr Leu Ser Leu Thr Gln Pro Cys Pro Ser Pro Cys
275 280 285

Pro Val Ile Pro Glu
290

<210> 356

<211> 882

<212> DNA

<213> Homo sapiens

<400> 356

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cactacgaga tgctgggtcg ctgccgcatg gtgtgcgacc cgcattgggcc ccgtggccct	120
ggtcccagacg gcgcgcctgc ttccgtgccc cccttcccg caggcgccaa gggagaggtg	180
ggccggcgcg ggaaagcagg cctgcggggg cccctggac caccaggtcc aagagggccc	240
ccaggagaac ccggcaggcc agggcccccg ggccctcccg gtccaggtcc gggcgggggtg	300
gcgcccgtg ccggctacgt gcctgcgatt gctttctacg cgggcctgcg gcggccccac	360

gagggttacg aggtgctgcg cttcgacgac gtggtgacca acgtgggcaa cgcctacgag 420
gcagccagcg gcaagtttac ttgccccatg ccaggcgctct acttcttcgc ttaccacgtg 480
ctcatgcgcg gcggcgacgg caccagcatg tgggcccagacc tcatgaagaa cggacagggc 540
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ccaggagcct ctgcaatcat ctgcttattg cgcgtcaccg tcatccagtg ggagagcctt 660
gtggtaccac ctttctccac ctatggctgc ggcccgcagg aagatgacgg gttgcgcttc 720
tgctctggag ccagccctgt tgccgggaac tgcaaccgcg aagatgatgc cagagctcag 780
cttccctctt tttatgttgc agagtttatg ctgccctgca ctgagcagac gctttcgctt 840
acgcagccct gcccttcacc ttgcccagtg attccggaat aa 882

<210> 357

<211> 15

<212> PRT

<213> Homo sapiens

<400> 357

Met	Val	Leu	Leu	Leu	Val	Ala	Ile	Pro	Leu	Leu	Val	His	Ser
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<210> 358

<211> 278

<212> PRT

<213> Homo sapiens

<400> 358

Ser	Arg	Gly	Pro	Ala	His	Tyr	Glu	Met	Leu	Gly	Arg	Cys	Arg	Met	Val
1				5					10					15	

Cys	Asp	Pro	His	Gly	Pro	Arg	Gly	Pro	Gly	Pro	Asp	Gly	Ala	Pro	Ala
			20					25					30		

Ser	Val	Pro	Pro	Phe	Pro	Pro	Gly	Ala	Lys	Gly	Glu	Val	Gly	Arg	Arg
		35					40					45			

10005499-1203001

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
50 55 60

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro
65 70 75 80

Gly Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala
85 90 95

Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg
100 105 110

Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser
115 120 125

Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His
130 135 140

Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met
145 150 155 160

Lys Asn Gly Gln Gly Trp Gly Pro Arg Thr Ala Leu Pro Ser Ala Glu
165 170 175

Ser Val Ala Trp Gln Leu Lys Gly Gln Pro Gly Ala Ser Ala Ile Ile
180 185 190

Cys Leu Leu Arg Val Thr Val Ile Gln Trp Glu Ser Leu Val Val Pro
195 200 205

Pro Phe Ser Thr Tyr Gly Cys Gly Pro Gln Glu Asp Asp Gly Leu Arg
210 215 220

Phe Cys Ser Gly Ala Ser Pro Val Ala Gly Asn Cys Asn Pro Gln Asp
225 230 235 240

Asp Ala Arg Ala Gln Leu Pro Ser Phe Tyr Val Ala Glu Phe Met Leu
245 250 255

Pro Cys Thr Glu Gln Thr Leu Ser Leu Thr Gln Pro Cys Pro Ser Pro
260 265 270

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Cys Pro Val Ile Pro Glu
275

<210> 359

<211> 36

<212> PRT

<213> Homo sapiens

<400> 359

Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu
1 5 10 15

Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe
20 25 30

Ala Tyr His Val
35

<210> 360

<211> 20

<212> PRT

<213> Homo sapiens

<400> 360

Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val Leu
1 5 10 15

Met Arg Gly Gly
20

<210> 361

<211> 27

<212> PRT

<213> Homo sapiens

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<400> 361

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly
20 25

<210> 362

<211> 27

<212> PRT

<213> Homo sapiens

<400> 362

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
20 25

<210> 363

<211> 27

<212> PRT

<213> Homo sapiens

<400> 363

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
1 5 10 15

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro
20 25

<210> 364

<211> 27

<212> PRT

<213> Homo sapiens

<400> 364

Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
20 25

<210> 365

<211> 29

<212> PRT

<213> Homo sapiens

<400> 365

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly Val Ala
20 25

<210> 366

<211> 27

<212> PRT

<213> Homo sapiens

<400> 366

Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro
20 25

<210> 367

<211> 29

<212> PRT

<213> Homo sapiens

<400> 367

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly
20 25

<210> 368

<211> 29

<212> PRT

<213> Homo sapiens

<400> 368

Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
20 25

<210> 369

<211> 27

<212> PRT

<213> Homo sapiens

<400> 369

Pro His Glu Gly Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn
1 5 10 15

Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly Lys
20 25

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<212> PRT

<400> 370

<210> 371

<212> PRT

<400> 371

Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro
20 25

<211> 27

<212> PRT

<400> 372

Pro Pro Gly Pro Gly Pro Gly Gly Val Ala Pro
20 25

<210> 373
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 373
 Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro
 1 5 10 15
 Gly Gly Val Ala Pro Ala Ala Gly
 20

<210> 374
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 374
 Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro
 1 5 10 15
 Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro
 20 25 30
 Gly Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
 35 40

<210> 375
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 375
 Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly

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1 5 10 15

Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro
20 25

<210> 376
<211> 29
<212> PRT
<213> Homo sapiens

<400> 376
Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly
1 5 10 15

Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
20 25

<210> 377
<211> 2016
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (683) .. (1399)
<223>

<400> 377
aggaaggтта gggaggcgga gagggaccgc gcccgcagag agaggcgcgг gccagggcta 60
ctagcaggga ctggggccgc ggcaggggta gcaaggtgag tcggtgcttg ccaagaggca 120
gagcgcaaaa cctactagga gatcgcgccc ggtgagcagc acccgcagct cagagccccgг 180
gacgtccgga gcgcggggag cagtcccctc tccatcaggг agtgggtctat ctgggcagtc 240
tgggaccag gcaccgcgcc atccctgaga gagcagcagт ctggagagca ggcattctcag 300

atccctaaga aaccagccgt ccgagaagcc gcggatctca ggtgcccagg atcgtagga	360
ctgaacggga gggtagtaga ggaccactgg ctctggaccg tcgggagctg cccctgacgt	420
aaccacagag gggcctcccc ttgacggacg gcttggggag cggcaccgcc ggcctggagc	480
ccgcagagggc agggtaaggg gagcgggggg cagccgtcgg gggagtgcag acccaggccc	540
aaggcgggtc accgctcctg gcccgcgag agccccggcc ccggcagcca ttgcgccccaa	600
gagttaggaa gatttgctgg ccctggcagc gtcgcggtc agccggcgca agagggtggc	660
gggcgcgccc gtcggagtgg cc atg gtg ctg ctg ctg ctg gtg gcc atc ccg	712
Met Val Leu Leu Leu Val Ala Ile Pro	
1 5 10	
ctg ctg gtg cac agc tcc cgc ggg cca gcg cac tac gag atg ctg ggt	760
Leu Leu Val His Ser Ser Arg Gly Pro Ala His Tyr Glu Met Leu Gly	
15 20 25	
cgc tgc cgc atg gtg tgc gac ccg cat ggg ccc cgt ggc cct ggt ccc	808
Arg Cys Arg Met Val Cys Asp Pro His Gly Pro Arg Gly Pro Gly Pro	
30 35 40	
gac ggc gcg cct gct tcc gtg ccc ccc ttc ccg cca ggc gcc aag gga	856
Asp Gly Ala Pro Ala Ser Val Pro Pro Phe Pro Pro Gly Ala Lys Gly	
45 50 55	
gag gtg ggc cgg cgc ggg aaa gca ggc ctg cgg ggg ccc cct gga cca	904
Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro	
60 65 70	
cca ggt cca aga ggg ccc cca gga gaa ccc ggc agg cca ggc ccc ccg	952
Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro	
75 80 85 90	
ggc cct ccc ggt cca ggt ccg ggc ggg gtg gcg ccc gct gcc ggc tac	1000
Gly Pro Pro Gly Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr	
95 100 105	
gtg cct cgc att gct ttc tac gcg ggc ctg cgg cgg ccc cac gag ggt	1048
Val Pro Arg Ile Ala Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly	
110 115 120	
tac gag gtg ctg cgc ttc gac gac gtg gtg acc aac gtg ggc aac gcc	1096
Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala	
125 130 135	
tac gag gca gcc agc ggc aag ttt act tgc ccc atg cca ggc gtc tac	1144
Tyr Glu Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr	
140 145 150	
ttc ttc gct tac cac gtg ctc atg cgc ggc ggc gac ggc acc agc atg	1192
Phe Phe Ala Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met	
155 160 165 170	

tgg gcc gac ctc atg aag aac gga cag gtc cgg gcc agc gcc att gct 1240
Trp Ala Asp Leu Met Lys Asn Gly Gln Val Arg Ala Ser Ala Ile Ala
175 180 185

cag gac gcg gac cag aac tac gac tac gcc agc aac agc gtc att ctg 1288
Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu
190 195 200

cac ctg gac gtg ggc gac gag gtc ttc atc aag ctg gac ggc ggg aaa 1336
His Leu Asp Val Gly Asp Glu Val Phe Ile Lys Leu Asp Gly Gly Lys
205 210 215

gtg cac ggc ggc aac acc aac aag tac agc acc ttc tcc ggc ttc atc 1384
Val His Gly Gly Asn Thr Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile
220 225 230

atc tac ccc gac tga gccggccccc ccccgctgccc ccgctcgccc cttctctccc 1439
Ile Tyr Pro Asp
235

gtcctcaccc acctcctgcc cgccccaccc gaggcgccac ccacccttt gagagcctgg 1499

cgggtgggggtg gacccttccg ttcccggagg cggcctaaat gggcgaactc ttggtgctca 1559

aggggtataag tggccgggaa gaggaggaga cccggccaga ggagcagagc gacttccgga 1619

gggatcaccc gcaccaagt gcgcgctgga ccccataggg gcagaggtcg tggctttctc 1679

ttttgtacag agatggggag cagttttaat agcgggactc agaggcccag aaagccggag 1739

ggaagccccc gcagcttgcg agggaaataa cagaaacagg aggagcccat ttaggcaaga 1799

gaagacatta aaacagggta gtgcagggtc tccgtcacia ctttctctcg ccaccctctc 1859

gtcccctcgt ctccactttc aggctcagge tccagccttg gcagccttcc tgtgaactgg 1919

aggaaccagt gaattctttc ctggcattta aaacgcattc tgtacagtcc ccattccccc 1979

ctatccggac taggccttgg ggctacagct gctgctg 2016

<210> 378

<211> 238

<212> PRT

<213> Homo sapiens

<400> 378

Met Val Leu Leu Leu Leu Val Ala Ile Pro Leu Leu Val His Ser Ser
1 5 10 15

Arg Gly Pro Ala His Tyr Glu Met Leu Gly Arg Cys Arg Met Val Cys
20 25 30

Asp Pro His Gly Pro Arg Gly Pro Gly Pro Asp Gly Ala Pro Ala Ser
35 40 45

Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly
50 55 60

Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
65 70 75 80

Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
85 90 95

Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala Phe
100 105 110

Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg Phe
115 120 125

Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly
130 135 140

Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val
145 150 155 160

Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met Lys
165 170 175

Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln Asn
180 185 190

Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp
195 200 205

Glu Val Phe Ile Lys Leu Asp Gly Gly Lys Val His Gly Gly Asn Thr
210 215 220

Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro Asp
225 230 235

<210> 379

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Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
50 55 60

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro
65 70 75 80

Gly Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala
85 90 95

Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg
100 105 110

Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser
115 120 125

Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His
130 135 140

Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met
145 150 155 160

Lys Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln
165 170 175

Asn Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly
180 185 190

Asp Glu Val Phe Ile Lys Leu Asp Gly Gly Lys Val His Gly Gly Asn
195 200 205

Thr Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro Asp
210 215 220

<210> 381

<211> 36

<212> PRT

<213> Homo sapiens

<400> 381

Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu
 1 5 10 15

Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe
 20 25 30

Ala Tyr His Val
 35

<210> 382

<211> 20

<212> PRT

<213> Homo sapiens

<400> 382

Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val Leu
 1 5 10 15

Met Arg Gly Gly
 20

<210> 383

<211> 27

<212> PRT

<213> Homo sapiens

<400> 383

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
 1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly
 20 25

<210> 384

<211> 27

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<212> PRT

<213> Homo sapiens

<400> 384

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
20 25

<210> 385

<211> 22

<212> PRT

<213> Homo sapiens

<400> 385

Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp Glu
1 5 10 15

Val Phe Ile Lys Leu Asp
20

<210> 386

<211> 20

<212> PRT

<213> Homo sapiens

<400> 386

Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp Glu
1 5 10 15

Val Phe Ile Lys
20

<210> 387

<211> 27
 <212> PRT
 <213> Homo sapiens

<400> 387

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
 1 5 10 15

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro
 20 25

<210> 388
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 388

Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly
 1 5 10 15

Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
 20 25

<210> 389
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 389

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
 1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly Val Ala
 20 25

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<210> 390

<211> 27

<212> PRT

<213> Homo sapiens

<400> 390

Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro
20 25

<210> 391

<211> 29

<212> PRT

<213> Homo sapiens

<400> 391

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly
20 25

<210> 392

<211> 29

<212> PRT

<213> Homo sapiens

<400> 392

Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly
1 5 10 15

100049910005000T 664500T

Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
20 25

<210> 393

<211> 27

<212> PRT

<213> Homo sapiens

<400> 393

Pro His Glu Gly Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn
1 5 10 15

Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly Lys
20 25

<210> 394

<211> 14

<212> PRT

<213> Homo sapiens

<400> 394

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
1 5 10

<210> 395

<211> 27

<212> PRT

<213> Homo sapiens

<400> 395

Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro
1 5 10 15

Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro
20 25

<210> 396

<211> 27

<212> PRT

<213> Homo sapiens

<400> 396

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Gly Pro Gly Gly Val Ala Pro
20 25

<210> 397

<211> 24

<212> PRT

<213> Homo sapiens

<400> 397

Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro
1 5 10 15

Gly Gly Val Ala Pro Ala Ala Gly
20

<210> 398

<211> 44

<212> PRT

<213> Homo sapiens

<400> 398

Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro

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1 5 10 15
Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro
 20 25 30

Gly Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
 35 40

<210> 399
<211> 27
<212> PRT
<213> Homo sapiens

<400> 399
Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro
 20 25

<210> 400
<211> 10
<212> PRT
<213> Homo sapiens

<400> 400
Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro
1 5 10

<210> 401
<211> 29
<212> PRT
<213> Homo sapiens

<400> 401

Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly
1 5 10 15

Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
20 25

<210> 402

<211> 243

<212> PRT

<213> Macaca mulatta

<400> 402

Met Leu Leu Gly Ala Val Leu Leu Leu Leu Ala Leu Pro Ser His Gly
1 5 10 15

Gln Asp Thr Thr Thr Gln Gly Pro Gly Val Leu Leu Pro Leu Pro Lys
20 25 30

Gly Ala Cys Thr Gly Trp Met Ala Gly Ile Pro Gly His Pro Gly His
35 40 45

Asn Gly Val Pro Gly Arg Asp Gly Arg Asp Gly Thr Pro Gly Glu Lys
50 55 60

Gly Glu Lys Gly Asp Pro Gly Leu Ile Gly Pro Lys Gly Asp Thr Gly
65 70 75 80

Glu Thr Gly Val Thr Gly Ala Glu Gly Pro Arg Gly Phe Pro Gly Ile
85 90 95

Gln Gly Arg Lys Gly Glu Pro Gly Glu Gly Ala Tyr Val Tyr Arg Ser
100 105 110

Ala Phe Ser Val Gly Leu Glu Thr Tyr Val Thr Val Pro Asn Met Pro
115 120 125

Ile Arg Phe Thr Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp Gly
130 135 140

Asp Ala Gly Leu Leu Gly Pro Lys Gly Glu Thr Gly Asp Val Gly Met
65 70 75 80

Thr Gly Ala Glu Gly Pro Arg Gly Phe Pro Gly Thr Pro Gly Arg Lys
85 90 95

Gly Glu Pro Gly Glu Ala Ala Tyr Val Tyr Arg Ser Ala Phe Ser Val
100 105 110

Gly Leu Glu Thr Arg Val Thr Val Pro Asn Val Pro Ile Arg Phe Thr
115 120 125

Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp Gly Ser Thr Gly Lys
130 135 140

Phe Tyr Cys Asn Ile Pro Gly Leu Tyr Tyr Phe Ser Tyr His Ile Thr
145 150 155 160

Val Tyr Met Lys Asp Val Lys Val Ser Leu Phe Lys Lys Asp Lys Ala
165 170 175

Val Leu Phe Thr Tyr Asp Gln Tyr Gln Glu Lys Asn Val Asp Gln Ala
180 185 190

Ser Gly Ser Val Leu Leu His Leu Glu Val Gly Asp Gln Val Trp Leu
195 200 205

Gln Val Tyr Glu Gly Glu Asn His Asn Gly Val Tyr Ala Asp Asn Val
210 215 220

Asn Asp Ser Thr Phe Thr Gly Phe Leu Leu Tyr His Asn Ile Val Glu
225 230 235 240

<210> 404

<211> 244

<212> PRT

<213> Homo sapiens

<400> 404

Met Leu Leu Leu Gly Ala Val Leu Leu Leu Leu Ala Leu Pro Gly His

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1	5	10	15
Asp	Gln	Glu	Thr
Thr	Ile	Gln	Gly
Pro	Gly	Val	Leu
Leu	Pro	Leu	Pro
20	25	30	
Lys	Gly	Ala	Cys
Thr	Gly	Trp	Met
Ala	Gly	Ile	Pro
Gly	His	Pro	Gly
35	40	45	
His	Asn	Gly	Ala
Pro	Gly	Arg	Asp
Gly	Arg	Asp	Gly
Thr	Pro	Gly	Glu
50	55	60	
Lys	Gly	Glu	Lys
Gly	Asp	Pro	Gly
Leu	Ile	Gly	Pro
Lys	Gly	Asp	Ile
65	70	75	80
Gly	Glu	Thr	Gly
Val	Pro	Gly	Ala
Glu	Gly	Pro	Arg
Gly	Phe	Pro	Gly
85	90	95	
Ile	Gln	Gly	Arg
Lys	Gly	Glu	Pro
Gly	Glu	Gly	Ala
Tyr	Val	Tyr	Arg
100	105	110	
Ser	Ala	Phe	Ser
Val	Gly	Leu	Glu
Thr	Tyr	Tyr	Thr
Ile	Pro	Asn	Met
115	120	125	
Pro	Glu	Arg	Phe
Thr	Lys	Ile	Phe
Tyr	Asn	Gln	Gln
Asn	His	Tyr	Asp
130	135	140	
Gly	Ser	Thr	Gly
Lys	Phe	His	Cys
Asn	Ile	Pro	Gly
Leu	Tyr	Tyr	Phe
145	150	155	160
Ala	Tyr	His	Ile
Thr	Val	Tyr	Met
Lys	Asp	Val	Lys
Val	Ser	Leu	Phe
165	170	175	
Lys	Lys	Asp	Lys
Ala	Met	Leu	Phe
Thr	Tyr	Asp	Gln
Tyr	Gln	Glu	Asn
180	185	190	
Asn	Tyr	Asp	Gln
Ala	Ser	Gly	Ser
Val	Leu	Leu	His
Leu	Glu	Val	Gly
195	200	205	
Asp	Gln	Val	Trp
Leu	Gln	Val	Tyr
Gly	Glu	Gly	Glu
Arg	Asn	Gly	Leu
210	215	220	
Tyr	Ala	Asp	Asn
Asp	Asn	Ser	Thr
Phe	Thr	Gly	Phe
Leu	Leu	Tyr	
225	230	235	240

His Asp Thr Asn

10065493 120201